**Shilpa**

**Full Stack Java Developer**

**Mobile: 469 598 1471**

**Email:** **shilpab2468@gmail.com**

**LinkedIn:** [www.linkedin.com/in/shilpa-b-97733b167](http://www.linkedin.com/in/shilpa-b-97733b167)

# SUMMARY

* Having over all **8+** years of experience in Object Oriented **Designing**, **Developing, Implementation** and **testing** in Client/Servers e-business applications using **Java**&**J2EE** Technologies.
* Good exposure to all phases oDB2f **SDLC** process, including system use case, functional & technical specification documentation based on business requirements.
* Review design documents with stake holders and collect approvals
* Excellent Knowledge of Object-Oriented **Analysis** **Design** using **UML**.
* Good experience with **RUP**, **Agile** methodologies.
* Experience implementing **SOA**, **Web Service** applications.
* Experience in Integration of Amazon Web Services (AWS) with other applications infrastructure
* Strong Experience in developing the application using frameworks like **Struts**, Java Server Faces (JSF) and **Spring** Frameworks Worked on maintaining the persistence using **Hibernate**, JPA ORM.
* Experience with Linux scripting with UNIX shell, Perl
* Experienced in implementing presentation layer using **JSF**, **JSP, gradle**, **CSS**, **jQuery**, JavaScript**, N, ExtJS, JSON** and Servlets.
* Proficient in using various SDKs to develop software applications and integrate third-party services and APIs.
* Proficient in the use of Struts tags and configuration for streamlining the development of web applications
* Utilized Oracle Enterprise Manager for database monitoring, management, and performance analysis.
* Knowledge on GCP Services like compute engine, cloud load balancing, cloud storage, cloud SQL, Stack driver monitoring and cloud deployment manager.
* Proficient in MongoDB, a NoSQL database system, for storing, retrieving, and managing structured and unstructured data.
* Proficient in using API Gateway solutions (e.g., AWS API Gateway, Azure API Management, Apigee, or custom solutions) to manage and secure APIs.
* Proficiency in developing web services (**Soap, Restful**) that include several components like **SOAP, WSDL, XML, XSD, Axis2, JAXB, JAX-RS and JAX-WS**. Also, Developed SOAP web services using **Apache CXF.**
* Leveraged Azure Monitor and Azure Application Insights for proactive monitoring, logging, and performance tuning of Azure resources
* Experience deploying applications on Apache Tomcat 6 Web Server, BEA WebLogic 8/9/10, WebSphere 5.0/6.0 application server environments.
* Proficient in Apache Cassandra, a distributed NoSQL database system, for managing large volumes of data with high availability and scalability.
* Integrated Node.js with various databases (e.g., MongoDB, MySQL, PostgreSQL) using database drivers and ORMs like Mongoose.
* Designed and developed serverless applications using AWS Lambda, eliminating the need for server provisioning and maintenance.
* Led initiatives to ensure WCAG compliance across digital properties, including websites and applications
* Experience in Integration of Amazon Web Services (AWS) with other applications infrastructure
* Designed and developed multiple **J2EE™Model 2 MVC** based Web Application using J2EE™ Technologies, Patterns and popular open-source framework **Struts, Spring MVC, Spring, JPA and Hibernate**.
* Integrated GAIA Kubernetes Platform with CI/CD pipelines for automated application deployment and continuous delivery.
* Experience with Software designing and modeling using UML on **Rational Rose** and **Enterprise Architect**.
* Hands-on Experience with Amazon Web Service technologies (EC2, EBS, S3, ELB, VPC)
* Hands on experience in deployment of **J2EE** applications on **JBoss, Tomcat, IBM Web Sphere** and **WebLogic** Application **Servers.**
* Experience in an environment where **CI/CD is** extensively used (Jenkins Build pipelines, unit tests, automation tests.
* Managed JBoss application server instances, including installation, configuration, and deployment of applications.
* Experience in building an application using the **Alfresco** content application server.
* Experience in using XML based technologies and parsers **DOM, SAX, JAXP, JAXB**.
* Good knowledge in **Python and Hadoop, HDFS, Map Reduce, Hive, HBase, Flume.**
* Experience in database design, **NoSQL**, data modeling and developing stored procedures, functions and triggers using **SQL plus, SQL developer** in **Oracle 9i, My SQL and DB2**.
* Created **REST APIs** by using spring, exposed them from my existing system so that it is consumed by other application.
* Experience in writing test-cases in **Java** environment using **JUnit, Mockito and Powermock**.
* Experience in managing the build files using **ANT** and **Maven.**
* Experience in using the **Log4j framework** for Logging Java Application.
* Experience in developing, designing in **UML, Package, Class and State Diagrams.**
* Well versed with Core Java concepts like **Collections, Multithreading, Serialization, Java Beans** and **Network programming**.
* Excellent communication, problem-solving, interpersonal, organizational skills.

# SKILLSET

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| --- | --- |
| Platforms | Windows 2000/NT/ XP/Vista and Sun Solaris 2.8/2.9, UNIX |
| Programming | JDK 1.5, 1.6, 1.7,1.8, C, C++ |
| Server Scripting | JSP1.2, 2.1, JSP-EL, JSTL, Custom Tags |
| Client Scripting | JQuery 1.8,1.9, JQuery UI, ExtJS, AngularJS, JavaScript, CSS2, CSS3, HTML4, HTML5, NodeJS, React JS, Next.JS |
| Java Frameworks | Struts 1.2, Struts 2.1, Spring MVC, DI, AOP, Spring Boot, JSF 1.1, JSF 2.1 |
| Database Tools | Toad for Oracle, Toad for MySQL, Toad for DB2, Toad for MS-SQL, Erwin, MySQL Workbench,  |
| Version Control | Tortoise SVN, Rational Clearcase, GitHub, CVS, Bit bucket |
| IDEs | Eclipse 3.0, 3.1, My Eclipse 4.1, IntelliJ, NetBeans |
| Build Tools | ANT 1.7,1.8,1.9, Maven, Gradle |
| Continuous Integration | Jenkins, Hudson, Docker, Kubernetes |
| Application Servers | Weblogic 8.1, 10.0, WebSphere 6.1, JBoss 4.0 |
| Web ServersAmazon web services | Tomcat 5.0,6.0,7.1EC2, EBS, S3, ELB, OpenStack, Microsoft Azure, AWS, GCP |
| Defect Tracking | JIRA, Bugzilla, Rational ClearQuest |
| Methodologies | Agile (XP, Scrum), Rational Unified Process (RUP), Waterfall, Kanban |

# EXPERIENCE

**Client: State of Maryland, MD Jan 2023- Present**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Participated in users’ meetings along with the Business Analyst for requirements gathering and analysis.
* Analysis, design, development and testing of the application.
* **HTML, XML, CSS, JavaScript** for developing front end pages, client-side validations and enhancing/building page widgets.
* Unit Testing performed for developed modules.
* Contributed to team effort by accomplishing related results as needed.
* Maintained and tracked usage of library web page accurately and efficiently.
* Created and deployed pods in Kubernetes, ensuring proper resource allocation and scheduling on cluster nodes.
* Designed and implemented Oracle database schemas, optimizing data structures for efficient storage and retrieval.
* Designed and implemented PostgreSQL database schemas, optimizing data structures for efficient storage and retrieval.
* Designed and implemented DynamoDB tables, considering access patterns, partition keys, and secondary indexes
* Designed and developed reactive applications using the Spring Reactive stack, leveraging technologies like Reactor and Web Flux
* Conducted regular accessibility audits on digital assets, identifying areas of non-compliance with WCAG standards
* Have developed a number of reusable pipes and directives in angular with custom behavior.
* Have demonstrated the new developments in the application to the team at the end of the sprint which I worked in/was a part of a team.
* Conducted performance tuning and optimization of JBoss configurations to enhance system responsiveness.
* Worked with **Angular 4 forms, modules, DOM, event**s, expressions, controllers, filters and Http Request.
* Used **HTTP** Request to read data from web servers and process JSON data to render in the UI.
* Connect **Web API to Angular** using Http Call and designed GET, POST, PUT, DELETE for Web API.
* Designed and implemented data models in MongoDB, optimizing document structures for efficient data storage and retrieval.
* Developed dynamic and interactive web pages using Java Server Pages (JSP), incorporating Java code to generate dynamic content
* Led a project to migrate an existing JavaScript codebase to TypeScript, improving code quality and developer productivity.
* Designed and implemented scalable and secure cloud solutions on Microsoft Azure, utilizing services such as Azure Virtual Machines, Azure Blob Storage, and Azure Functions
* Integrated external APIs and services into applications using SDKs, enabling data exchange and functionality extension.
* Integrated JetBrains IDEs with CI/CD pipelines for automated testing and deployment, often using plugins and extensions.
* Utilized IDE features for code editing, auto-completion, and code formatting to enhance coding productivity and maintain code consistency.
* Configured and managed AWS EC2 instances, serverless functions (AWS Lambda), and containerized applications (AWS Fargate and ECS).
* Configured encryption for RDS databases, including data at rest and in transit, using AWS Key Management Service (KMS).
* Collaborated with cross-functional teams to migrate on-premises applications to Azure, ensuring minimal downtime and optimal resource utilization
* Designed and created GUI components, including windows, frames, panels, buttons, text fields, and more, to provide an intuitive user interface.
* Proficient in Apache Kafka, a distributed data streaming platform, for real-time data ingestion, processing, and analysis.
* Designed and implemented efficient data models in DynamoDB, considering query patterns, access patterns, and scalability requirements.
* Integrated AWS Lambda into serverless architectures, often using AWS API Gateway for HTTP triggering
* Produced and consumes Restful APIs in **spring Boot.**
* Implemented state management in Angular using **NgRx and API** gateway for all the outgoing RESTful calls from **Angular to spring boot in NestJS.**
* Designed and implemented data models in Cassandra, optimizing data structures and partitioning strategies for efficient data storage and retrieval.
* Designed RESTful and GraphQL APIs and created comprehensive documentation, often using tools like Swagger or OpenAPI.
* Implemented unit tests and end-to-end tests using testing frameworks like Jest or Mocha with TypeScript
* Made use of **Redux Saga** middleware to access redux application state and dispatched redux actions.
* Used **React Observables** to create custom components for data manipulations and to display in company standard format.
* Created and maintained well-structured HTML markup, emphasizing semantic HTML for enhanced accessibility and SEO optimization.
* Designed and developed RESTful APIs with Node.js, implementing CRUD operations, data validation, and authentication.
* Integrated Spring Reactive backend services with reactive frontend frameworks, ensuring end-to-end reactivity in the application stack
* Developed user Interface by using the **React JS, Flux for SPA** development.
* Implemented **react JS** code to handle cross browser compatibility issues in Mozella, IE7,8,9, Safari.
* Used **React-router** to turn application into Single page Application.
* Used Node Js as server to provide **RESTful API** to communicate with Front End.
* Used Bootstrap responsive techniques to build interface for multiple screen resolution.
* Involved in writing application-level code to interact with API’s, Web Services using **AJAX, JSON and XML.**
* Designed new classes and functionalities using various OOPs concepts for CRM application for customer service.
* Fixed bugs and provided support services for the application.
* Met one-one with clients in exploring the best possible options for their web presentation.

**Environment:** JavaScript, JDBC, Oracle 11g, Eclipse, Windows, SQL, CSS, Angular JS, Html 5, CSS3, AJAX, JSON, D3.js, Node.js, Express.js, XML, Jasmine, AEM, Responsive Web Design, IE 6, 7, 8, 9, 10, Firefox, Chrome, ECM AScript Handlebars, MVC Spring Bootstrap.

**Client: Walmart, Bentonville, Arkansas Aug 2022- Dec 2022**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Developed single page applications using **React Redux architecture, ES6, web pack and grunt**.
* Developed various screens for the front end using ReactJS and used various predefined components from NPM (Node Package Manager).
* Involved in creating a reusable component using **React JS** for DOM manipulation
* Basically, replace all React class components with functional component. For stateful management, replaced with new **Hooks like useState, useEffect, useReducer, and useRef.**
* Incorporated react-redux for global state management, mainly for authentication process, and added redux for asynchronous handling.
* Successfully ingested and transformed data into MongoDB from various sources, often using Extract, Transform, Load (ETL) processes.
* Utilized Amazon CloudWatch and RDS-specific metrics to monitor database performance and set up alarms for key indicators.
* Developed efficient data models for various use cases, leveraging DynamoDB's NoSQL capabilities
* Worked with JBoss EAP, overseeing the deployment and maintenance of enterprise-level applications.
* Implemented the Apache Struts framework to facilitate the development of scalable and maintainable web applications
* Mentored team members on TypeScript best practices and adoption strategies.
* Collaborated with team members through collaborative coding tools within JetBrains IDEs, often utilizing remote development features.
* Implemented and managed various AWS database services, including RDS, DynamoDB, Aurora, and Redshift, for structured and unstructured data.
* Implemented **Angular Router** to enable navigation from one view to the next as customer performs application tasks.
* Led the development of a reactive e-commerce platform, utilizing Spring Reactive for backend services and real-time inventory updates
* Integrated Lambda with other AWS services, including S3, DynamoDB, SNS, SQS, and more, for seamless data processing and workflow automation.
* Enhanced the React Observables with Redux, React-router **and Redux-thunk**.
* Developing and designing SPA user Interface in **ReactJS.**
* Configured and managed Cassandra clusters, including node setup, replication strategies, consistency levels, and compaction settings.
* Involved in developing applications using Angular.JS like Grids, Toolbars, Panels, Combo-Box and Button etc.
* Integrated WCAG principles into the development workflow, ensuring accessible coding practices and semantic HTML usage
* Used Angular 2's HTTP Client to Interact with Servers/backend and modularized the Application with Ng-Module.
* Built serverless applications using AWS Lambda, API Gateway, and other serverless services, optimizing cost and scalability.
* Leveraged Angular resources for all data access, encapsulating URLs with Uri JS and standardizing data access interfaces.
* Spearheaded the development of a WCAG compliance dashboard to monitor and track accessibility progress.
* Utilized Express.js, a popular Node.js web application framework, to create RESTful APIs and web applications.
* Employed integrated debugging tools within the IDE to identify and resolve software issues efficiently.
* Successfully loaded data into DynamoDB from various sources and executed data migration projects.
* Leveraged DynamoDB Streams to capture and process real-time data changes, enabling event-driven architectures and data processing
* Worked with React JS components, **Redux Forms, Events, Animations and Router**.
* Maintained STATES in the store and dispatched the ACTIONS using Redux.
* Used Babel to compile JSX and ES6 into **JavaScript**.
* Used GraphQL for complete and understandable description of the data in our API, gives clients the power to ask for exactly what they need.
* Developed custom SDKs for internal or external use, often providing convenient access to your organization's services or APIs.
* Developed complex SQL queries, stored procedures, triggers, and views for data retrieval and manipulation.
* Managed replica sets and deployments for ensuring high availability, load balancing, and rolling updates of applications.
* Orchestrated infrastructure as code (IaC) using Azure Resource Manager (ARM) templates, ensuring consistent and repeatable deployment of resources
* Developed Functional components using new Hooks API.
* Used **JavaScrip**t data visualization libraries like Recharts to display the information in a chart view.
* Have independently worked on migrating all the applications developed in **Angular and NestJS**
* Implemented State management in Angular using **NgRX and** API gateway for all the outgoing RESTful calls from Angular to Spring Boot
* Managed and configured Kafka clusters, ensuring high availability, scalability, and optimal performance.
* Enhanced application performance by **Angular 6** Component based development in view of future Angular framework transitions
* Configured and managed Azure SQL Database for high availability, disaster recovery, and efficient data storage.
* Implemented and maintained security configurations for JBoss, ensuring adherence to industry standards and best practices.
* Designed and implemented data models in MemoryDB, optimizing data structures for high-speed data access.
* Built dynamically generated dropdown lists.
* Utilized TypeScript for server-side development with Node.js, ensuring a consistent development experience across the full stack
* Involved in unit testing of various modules by generating the test cases using **Enzyme, Jest and React** testing library.
* Developed error-handling mechanisms within Lambda functions to provide informative error messages for debugging and troubleshooting.
* Utilized Swing for file input/output operations, as well as data processing and storage within the GUI application.
* Created Functional tests using Cypress.
* Production deployment of the application to user accessible platforms and implement continuous integration/ continuous deployments (CI/CD).

**Environment:**React.js, Redux, Flex, Node.JS, Next Js, Jest, Express JS, JavaScript, HTML5, SAAS, CI/CD, CSS3, JQuery, JSON, Bootstrap, AJAX, Angular JS, Core Java, Mocha, TDD, MVS, WebDriver, Sublime, GIT, Grunt, Firebug, Agile development, Optimizely, Jira, AWS, Angular

**Client: VISA Austin, TX Aug 2021- Aug2022**

**Role: Full Stack Developer**

**Responsibilities:**

* Included integration and design of new application systems and/or life-cycle enhancement to existing complex multi-platform (Java) systems.
* Experience in the design, code, test, and deploy J2EE
* Develop in Kotlin and Java to produce increments of value in our products.
* Research and resolve bugs/issues that come up with products or implementations.
* Participate in architectural discussions, code reviews, paired programming, and story point sessions to drive agility in the development process.
* Learn People Code to the point where you can effectively convert the structures, we have built in that technology to Kotlin.
* Integrated DynamoDB with applications using AWS SDKs and APIs, ensuring seamless data interaction
* Implemented Azure DevOps pipelines for continuous integration and continuous deployment (CI/CD), streamlining application release processes.
* Designed partitioning and clustering keys to optimize query performance and data distribution across nodes.
* Collaborated with cross-functional teams to implement WCAG standards throughout the development lifecycle.
* Integrated JSP pages with backend databases using JDBC, facilitating data retrieval, storage, and manipulation
* Designed and implemented a microservices architecture using Spring Reactive, enhancing system scalability and responsiveness
* Led the implementation of web accessibility standards (WCAG) across digital products, ensuring compliance with regulatory requirements
* Conducted cost analysis and implemented cost management strategies, optimizing Azure resource utilization and ensuring cost-effectiveness.
* Designed and developed RESTful APIs with Node.js, implementing CRUD operations, data validation, and authentication.
* Set up AWS CloudWatch for monitoring and AWS CloudTrail for auditing and logging, enabling proactive issue resolution.
* Configured monitoring and logging solutions for GAIA Kubernetes clusters, utilizing tools such as Prometheus, Grafana, and ELK stack
* Integrated Lambda functions into CI/CD pipelines for automated testing and deployment
* Maintain work in Kanban style project management, participating in the Agile sprint cycles.
* Build complex user interface features using Angular.
* Developed MongoDB queries and aggregations to retrieve and manipulate data, often utilizing the MongoDB Query Language.
* Utilized Kafka Streams for real-time data processing, transforming, and analyzing streaming data within Kafka topics
* Changed **Redux** actions to promises and life cycle methods to asynchronous functions using ES7 async await to better manage **ReactJS l**evel state and cut **Redux** container development time by 80%.
* Customized the JetBrains IDE environment, including themes, keyboard shortcuts, and window layouts, to improve personal productivity.
* Configured and managed JBoss clustering for high availability and load balancing across multiple nodes.
* Conducted performance tuning in Memory DB, identifying and optimizing query performance and data retrieval.
* Implementation of internationalization and localization in **Angular applications** to support multiple languages and regions.
* Deployed and positioned **JSX Elements** within Flexbox to create high quality, attractive, front end user Interfaces.
* Responsible for adding margin properties to the custom style objects and the alignment of home menus and swipe bar.
* Developed and conducted training programs for operations and development teams on using and managing GAIA Kubernetes Platform.
* Conducted performance tuning of Oracle databases, identifying and resolving bottlenecks for improved system efficiency.
* Enhanced container security by implementing security best practices, such as PodSecurityPolicies and image scanning.
* Created and maintained documentation for SDKs and APIs, ensuring clarity and ease of use for developers.
* Integrated RDS with other AWS services, such as Lambda, S3, and API Gateway, to create comprehensive serverless architectures.
* Ensured accessibility features in the GUI to make applications usable for individuals with disabilities, often following WCAG guidelines.
* Integrated Jasper Reports seamlessly with Java applications, passing data and parameters for report generation.
* Integrated TypeScript into JavaScript frameworks like Angular, React, or Vue.js for enhanced development capabilities
* Conducted performance tuning of PostgreSQL databases, identifying and resolving bottlenecks for improved system efficiency.
* Integrated version control systems (e.g., Git) into the IDE, enabling collaborative coding, code tracking, and branching.
* Involved in the creation of exhaustive **JUnit** Unit Test Cases for each java class that is being developed for this application using a mocking framework **Mockito** using Test Driven Development technique.
* Running Tests and writing **Swagger** specifications for few micro services.
* Perform **code review and bug fixing and** problem solving, troubleshooting.
* Used **GIT** for version control and repository.
* Used **Jira to monitor agile process**, hands on experience to create, manage stories for each sprint and complete post sprint activities.

**Environment:** JDK1.8, HTML, CSS, JavaScript, jQuery, Agile, Java Swing, Hibernate, Spring Batch, Spring Security, Spring Boot, Restful, XML, Apache Tomcat, JSON, Log4j, web services, Linux, MySQL, Eclipse, Junit, Devops JIRA, GIT

**Client: JP Morgan chase, Columbus, OH Jan 2020-July 2021**

**Role: Full Stack Developer**

**Responsibilities:**

* Used Spring Framework 4.1 for the application development.
* Conducted performance tuning and optimization of DynamoDB queries and scans
* Implemented reactive data access using Spring Data Reactive Repositories, interacting with databases like MongoDB or Cassandra
* Used **Spring** for bean instantiation, annotations, controllers, request mapping to handle the webservice

request and response.

* Developed **REST** Web services to make web service calls simple and easy for the client to access it with

the help of standard HTTP URIs.

* Design and developed request and response XML Schema (XSD) documents for webservice operations

such as Retrieve History.

 Developing Intranet Web Application using J2EE architecture, using JSP to design the user interfaces and Hibernate for database connectivity.

* Developed web service client using Spring Framework and **REST HTTP** protocol to get customer

credentials and information.

* Responsible for creating efficient design and developing User Interaction screens using

**JavaScript, jQuery, AJAX and JSON.**

* Involved in deploying systems on Amazon Web Services (**AWS**) Infrastructure services **EC2, S3, RDS, SQS**,

Cloud Formation.

Successfully executed data migration projects, including data extraction, transformation, and loading (ETL) processes. Experienced with Docker container service

* Involved in building own PaaS with **Docker**, deployed various applications through Docker’s containers

Dockerized applications by creating Docker images from Docker file

* Implementing JSP Standard Tag Libraries (JSTL) along with Expression Language (EL).
* Created Mock-up designs and developed various functionalities with **JavaScript and jQuery.**
* Extracted data in UI for different clients using **JSON**.
* Spearheaded the implementation and deployment of the GAIA Kubernetes Platform for container orchestration and management.
* Leveraged Kafka for building message broker systems, enabling asynchronous communication and event-driven architectures.
* Wrote and executed unit tests directly within JetBrains IDEs, ensuring code reliability and functionality
* Created and maintained indexes in MongoDB to optimize query performance and ensure efficient data retrieval.
* Configured and optimized Azure networking solutions, including Virtual Networks, Subnets, and Network Security Groups (NSG), to ensure robust and secure communication
* Configured authentication and authorization policies to control access to APIs, often integrating with identity providers (e.g., OAuth, SAML)
* Utilized data compression techniques in Memory DB to optimize memory usage and reduce storage costs.
* Deploy application to **AWS** and monitored the load balancing of different EC2 instances.
* Used Gradle for the project management like build, install.
* Deployed application on **Apache Tomcat server**.
* Conducted performance tuning of Cassandra clusters, identifying and resolving bottlenecks for improved system efficiency.
* Conducted unit testing and debugging of Lambda functions using local development environments and AWS tools
* Automated routine tasks and cluster operations using tools compatible with GAIA Kubernetes Platform
* Generated reports dynamically from Java applications, using Jasper Reports libraries and APIs.
* Worked with React JS components, **Redux Forms, Events, Animations and Router.**
* Maintained STATES in the store and dispatched the ACTIONS using Redux.
* Used Babel to compile **JSX and ES6 into JavaScript**.
* Running Tests and writing **Swagger** specifications for few micro services.
* Used **GIT** and BIT BUCKET for version control and repository.
* Involved in writing Unit test cases for unit testing using Junit.
* Used **Cucumber framework** for automation.
* Developed and executed comprehensive test plans for web accessibility, utilizing automated testing tools and manual testing techniques.
* Used **log4j** for logging errors, info, exceptions.
* Implemented event listeners and handlers to respond to user interactions, such as button clicks, mouse actions, and keyboard input
* Orchestrated the deployment of containerized applications on GAIA Kubernetes clusters, ensuring high availability and fault tolerance
* Implemented Azure Traffic Manager for global load balancing and high availability
* Involved extensively in **Code Reviews, Unit testing and Process Improvements**.

**Environment:** JDK 1.8, Spring Boot, Spring MVC, Micro Services, Spring AOP, Hibernate 4.0, JAX-RS Webservices,

AJAX, UML, Oracle 11g,19c, WebLogic 10.1, Eclipse 4.2, IntelliJ, Junit, SOAPUI, Log4j, Maven 3.1, AWS, Maven, Gradle, Hudson, Junit 4.1, Selenium, JIRA, GIT, BITBUCKET, Cucumber.

**Client: Staples, Boston, MA July 2019-Dec 2019**

**Role: Full Stack Java Developer**

#### Responsibilities:

* Involved in various Software Development Life Cycle phases of the project like Requirement gathering, development, enhancements using **agile methodology.**
* Working with Agile, Scrum methodology with **Daily scrum meetings, sprint planning,** technical design sessions, sprint retrospection to ensure delivery of high-quality work with every monthly iteration.
* Designed front-end pages by using **HTML, CSS, Java script and Angular JS**
* Effectively Used J2EE technologies such as **Servlets, Sessions, Java Beans, Transactions.**
* Configured the application Context for spring bean definition, bean wiring, data source configuration and dependency injection to decouple objects.
* Heavily **used Java8 features** like lambda expressions, steams and filters which will improve the code optimization.
* Configured Hibernate framework for all **CRUD operations,** calling stored procedures and fetching data with criteria queries.
* Integrated AWS Lambda into serverless architectures, often using AWS API Gateway for HTTP triggering.
* Implemented DynamoDB Streams for real-time data processing and event-driven architectures
* Orchestrated the migration of a hybrid cloud environment, integrating on-premises infrastructure with Azure using Azure Site Recovery and Azure ExpressRoute
* Implemented data sharing strategies to horizontally scale MongoDB databases, distributing data across multiple servers or clusters.
* Conducted server migrations to AWS, often using AWS Server Migration Service (SMS) for hybrid cloud environments.
* Integrated Spring Reactive backend services with reactive frontend frameworks, ensuring end-to-end reactivity in the application stack.
* Implemented security measures to protect data stored in Memory DB, including authentication, authorization, and encryption.
* Created data model and generated **Hibernate mappings and domain objects using Hibernate tools.**
* Developed client-side code using **AJAX to access the REST** based web services.
* Developed **long-term secure** solutions that manage authentication and security across the application.
* Spring Boot framework maintaining security using spring security framework.​
* Utilized **React JS Virtual Dom** for updating DOM manipulations.
* Created reusable and testable **React JS**functional and class components using ES6.
* Microservice architecture with **Spring Boot** based services interacting through a combination of REST to build, test and deploy identity Microservices.
* Implemented Kafka monitoring and alerting using tools like Prometheus and Grafana. Tuned Kafka configurations for optimal performance.
* Configured high availability features in Cassandra, such as replication strategies, read and write consistency levels, and hinted handoff.
* Implemented user-friendly interfaces using JSP, HTML, and CSS, resulting in increased user engagement.
* Conducted testing of APIs, including endpoint testing, load testing, and security testing, to ensure performance and security.
* Security to **RESTful web services using OAUTH 2.0.**
* Used Spring AOP for logging, auditing, and transaction management to distinguish business logic from the cross-cutting concerns.
* Utilized Swing's extensive library of components, including JFrames, JDialogs, JPanels, JButtons, JTables, and JLists, to create feature-rich applications.
* Experience in Integration of Amazon Web Services (AWS) with other applications infrastructure
* Responsible in building and deploying the J2EE based application in the test and production environment.
* Integrate **spring DAO for data access** and update by using Hibernate.
* Design applications for cloud and container environments with a focus on AWS, and Docker.
* Used (Jenkins Build pipelines, unit tests, automation tests and moving code to production quickly).
* Used **Jira to monitor agile process**, hands on experience to create, manage stories for each sprint and complete post sprint activities.
* Developed the application using Eclipse as the IDE and used its features for editing, debugging, compiling, formatting, build automation and **version control (GIT**).
* Perform **code review and bug fixing.**
* Perform problem solving, troubleshooting.
* Experience in Integration of Amazon Web Services (AWS) with other applications infrastructure
* Evaluate alternate technologies and solutions and provide recommendations.

**Environment:** JDK1.8, HTML, CSS, JavaScript, jQuery, Agile, Hibernate, Spring Batch, Spring Security, Spring Boot, Restful, XML, Apache Tomcat, JSON, Log4j, web services, Linux, MySQL, Eclipse, Junit, Devops JIRA, GIT

**Client: State of Wyoming, Casper, Wyoming Aug 2018- June 2019**

 **Role: Full Stack Java Developer**

 **Description:**

The US Department of labor has offered an opportunity to the US states to develop a multitenant unemployment insurance UI technology system in consortium. The State agency responsible for administration of the UI program of Wyoming has committed to the development of this system.

The Missouri (MO) department of employment security is currently modernizing their UI system which will be the basis for the modernization of Wyoming’s UI system. The multitenant solution will be based upon MO’s existing modernized UI system being developed by STATE OF WYOMING.

#### Responsibilities:

* Involved in developing Webservice operations in **Service Oriented Architecture (SOA)**.
* Analyze requirements with team; write High Level design documents, System Use Case, analyze risk factors.
* Developed and maintained frontend applications using TypeScript, ensuring type safety and improved code maintainability.
* Followed **agile methodology** during complete **SDLC** process.
* Participated **Agile/Scrum** development and deployment teams
* Developed disaster recovery plans and procedures to ensure Kafka cluster resilience in the face of failures or data loss.
* Implemented backup and restore strategies for DynamoDB tables, leveraging AWS Backup or custom solutions
* Designed and implemented a real-time analytics dashboard using Spring Reactive, processing and visualizing streaming data
* Designed and implemented web applications following the Model-View-Controller (MVC) architecture provided by the Struts framework
* Conducted accessibility audits and provided actionable recommendations to development teams for achieving and maintaining accessibility standards.
* Implemented security measures, including authentication, authorization, and encryption, to protect data stored in Cassandra.
* Used **Spring Framework 4.1** for the application development.
* Responsible for Web UI development in JavaScript using **jQuery, AngularJS, and AJAX.**
* Used Spring for bean instantiation, annotations, controllers, request mapping to handle the Webservice request and response.
* spring integration for integrating the application with Microservices using spring integration workflow files
* Assist in the planning and implementation of a major AWS conversion of the Dev and QA team.
* Experience in Java development using OSGI framework.
• Developing Microservices using Spring Boot, Cloud, RESTful components
* Expert knowledge HTML5, CSS3, ES6.
* Worked with geospatial data in MongoDB, creating location-based applications and leveraging geospatial indexes and queries.
* Implemented Azure Backup for robust data protection and recovery strategies
* Involved in front end development using Struts**, JSP's, JSF** and **JSTL.**
* Used **JAXB** for marshalling and unmarshalling of work order, billing XML documents, and JAXP for processing.
* Developed **REST** Web services to make web service calls simple and easy for the client to access it with the help of standard **HTTP URIs.**
* Configured replication settings for data synchronization between Amazon Aurora and other databases, both within and outside of AWS
* Implemented the Project structure based on Spring MVC pattern using spring boot
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Involved to implement various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library.
 Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Flux concept.
* AWS cloud experience including EC2 and EBS in multiple VPCs
* Designed and developed Micro services using Spring Boot and Spring Data.
* Developed DAOs using **JPA**, **hibernate** persistence API for the database operations to interact with **Oracle Database**.
* Experience in Java development using Eclipse RCP.
* Developed web service client using **Spring** Framework and **REST** HTTP protocol to get customer credentials and information.
* Developed Micro Services to provide RESTful API utilizing Spring Boot with Spring MVC.
• Build the code of REST Micro Services using Spring Cloud, Oracle, XSD, JSON, Spring Config, and Jenkins.
* Responsible for creating efficient design and developing User Interaction screens using **HTML**, **CSS**, **JavaScript**, **JQuery**, **AJAX** and **JSON**.
* Implementing **JSP Standard Tag Libraries (JSTL)** along with **Expression Language (EL).**
* Creating custom, general use modules and components, which extend the elements and modules of core **AngularJS.**
* Maintain the **UNIX/Linux Servers** and secure the servers according to the Policy Compliance Management requirements.
* Used AngularJS as the development framework to build a single-page application and reusable Angular js applications.
* Templating engine for emails and reports was Free Marker.
* Integrated with third party Sale point **API to make restful Webservice call.**
* Designed and developed necessary **PL/SQL** for the database operations as needed.
* Involved in deployment of the application at various environments (Development, QA Testing, Staging, and Production).
* Involved in deploying systems on Amazon Web Services (**AWS**) Infrastructure services EC2, S3, RDS, SQS, Cloud Formation
* Batch jobs were automated using the Quartz scheduler.
* Used **Maven** for the project management like build, installs.
* Deployed application on **Apache Tomcat server.**
* Used **GIT** for version control and repository.
* Used **Bitbucket** to maintain the version of files and took the responsibility to do the code merges from branch to trunk and creating new branch when new feature implementation starts.
* Involved in writing Unit test cases for unit testing using **Ju**nit.
* Used Easy Mock for mocking downline services.
* Used **Selenium for UI automation.**
* Successfully migrated data from other database systems to MongoDB or performed data import/export tasks.
* Experience in working with public and private cloud platforms like Amazon Wed Services (AWS), OpenStack, Microsoft Azure
* Used **log4j** for logging errors, info, and exceptions.
* Involved extensively in **Code Reviews, Unit testing and Process Improvements.**

#### Environment:

JDK 1.7, Spring 4.1(DI, MVC, Tran Management, Integration, AOP, Boot), Spring Boot, Hibernate 4.0, JAX-RS Webservices, JAX-WS Webservices, jQuery 1.9, JQueryUI, AJAX, UML, MS Visio, JSTL, Oracle 11g, WebLogic 12.1, Eclipse 4.2, Junit, SOAPUI 5.1, Log4j, Maven 3.1, GIT, AWS, NodeJS, Bootstrap, AngularJS, HTML5, CSS3, Toad, Maven, Hudson, Junit 4.1, Selenium, JIRA, Selenium, Easy Mock, Grunt, OpenStack, Microsoft Azure.

**Client: Macy’s Systems and Technology, Atlanta, GA Aug 2016– May 2018**

 **Role: Java Developer**

#### Description:

#### The common Customer definition is shared throughout the ecosystem Build a Data Lake containing the internal and external data required to provide a complete view of Macy’s Inc. Customer; data will include customer attributes, behavior, purchase history and demographics Build an Operational Data Store and other real-time capabilities to support operational use cases Rationalize data sources and analytics platforms to serve various analytical needs Maximize data quality through verifiable data completeness, timeliness and accuracy.

#### Responsibilities:

* Designed the Web Application Using **Spring MVC** (Model View Controller) pattern to make it extensible and flexible.
* Actively participated in requirements gathering, analysis, design, development and testing phases, and responsible for the **full stack development.**
* Developed user interface using **HTML, CSS, Java Script, Ajax** and **jQuery**
* Developed the application using**Spring MVC, Spring Web flow** and added asynchronous features using**AJAX.**
* Focused primarily on the **MVC components** such as Dispatcher Servlets, Controllers, Model and **View Objects, View Resolver.**
* Implemented the Web Service client for the login authentication, credit reports and applicant information using **JAX-WS**and **Apache Axis.**
* Implemented rate limiting and request throttling to manage API usage, ensuring fair access and preventing abuse.
* Use**d Hibernate**for data persistenc**e**and designed hibernate queries an**d hibernate**specific configuration and mapping files for**Oracle** Databas**e.**
* Implemented data partitioning and sharing strategies to distribute data across multiple instances, optimizing query performance
* **Defined the Data Source, associations, components, Inheritance and configured the hibernate environment using HQL.**
* Conducted performance tuning and optimization for MongoDB databases, addressing indexing, query efficiency, and data distribution.
* Conducted node maintenance and performed rolling upgrades of Cassandra clusters to keep them up to date.
* Developed messaging module using **Spring JMS** and **ActiveMQ**.
* Used **JIRA** to fix and track the workflow.
* Configuration and deployment of the web application using **WebSphere 7**.
* Used Maven to build and deploy the application in the server.
* Involved in the creation of exhaustive **JUnit** Unit Test Cases for each java class that is being developed for this application using a mocking framework **Mockito** using Test Driven Development technique.
* Following **Agile** practices to develop and deliver the requirements.
* Written **jQuery** Validations for the User Front ends.
* Maintenance of data in different Oracle Database and environments using **TOAD.**
* Worked on **Hibernate** object/relational mapping according to database schema.
* Effective using in **ClearCase** and **ClearQuest** for version control and defect tracking

#### Environment:

Java, J2EE, Spring MVC, REST, Restful API, JAX-WS, Apache Axis, JDBC, LDAP, Hibernate, JAXB, JMS, ActiveMQ, JSF, HTML5, CSS3, JavaScript, Ajax, JavaScript, JIRA, JBOSS, ANTs, JUnit.

**Client Name: Yana Software LLC, Hyd, India Jun 2014– Mar 2015**

**Project Role: Web Developer**

Responsibilities:

* Participated in users’ meetings along with the Business Analyst for requirements gathering and analysis.
* Analysis, design, development and testing of the application.
* **HTML, XML, CSS, JavaScript** for developing front end pages, client-side validations and enhancing/building page widgets like Stock Maintenance, Issue of books, Membership and other objects.
* Unit Testing performed for developed modules.
* Created short- and long-term goals for the progress of the library, bookstore, and all employees
* Proficiently evaluated inventory to reduce cost and expand school and business revenue
* Contributed to team effort by accomplishing related results as needed.
* Provided full reference services to students, faculty, administration and the general public including research projects, general information, academic subjects and more utilizing NC Live, print
* Resources, computer-based information and more.
* Maintained and tracked usage of library web page accurately and efficiently.

Environment: HTML, XML, CSS, JavaScript, JDBC, Oracle 11g, Eclipse, Windows, SQL, CSS.

Education:

Master's in computer science, NPU, Fremont, CA, Dec 2016