**SHILPA**

**Sr. Full Stack Java Developer**

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# 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.
* Review design documents with stake holders and collect approvals
* Designed and optimized database schemas using SQL and ORM frameworks like Hibernate, improving data retrieval efficiency
* Utilized version control systems such as Git for code management and collaboration, ensuring seamless integration and deployment
* Implemented RESTful web services using Spring Framework, facilitating seamless communication between client and server
* Integrated third-party libraries and Angular extensions, such as Angular Material or ngx-bootstrap, to enhance application aesthetics and functionality.
* Integrated third-party APIs and libraries to enhance application functionality and user experience
* Identified and resolved performance bottlenecks through profiling and optimization techniques, resulting in significant improvements in application speed and efficiency.
* Implemented security measures such as authentication, authorization, and encryption to safeguard sensitive data and prevent unauthorized access.
* Integrated with third-party APIs and services using Spring RestTemplate or WebClient, facilitating communication with external systems and services.
* Conducted code reviews and participated in Agile development processes to ensure code quality, maintainability, and adherence to project timelines.
* 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.
* Mentored junior developers, providing guidance on coding best practices, design principles, and emerging technologies

# 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, Python 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.
* Developed dynamic and interactive web pages using Java Server Pages (JSP), incorporating Java code to generate dynamic content
* Designed and implemented scalable and secure cloud solutions on Microsoft Azure, utilizing services such as Azure Virtual Machines, Azure Blob Storage, and Azure Functions
* Developed responsive and interactive web applications using Angular framework, delivering intuitive user interfaces and exceptional user experiences.
* Defined resource endpoints, HTTP methods, request/response formats (JSON/XML), and error handling mechanisms adhering to RESTful principles
* Configured and managed AWS EC2 instances, serverless functions (AWS Lambda), and containerized applications (AWS Fargate and ECS).
* Implemented authentication and authorization mechanisms such as OAuth 2.0, JWT (JSON Web Tokens), or API keys to secure access to RESTful APIs and protect sensitive data.
* Developed dynamic and responsive web applications using React.js, leveraging functional components, hooks, and state management solutions like Redux or Context API.
* Integrated AWS Lambda into serverless architectures, often using AWS API Gateway for HTTP triggering
* Produced and consumes Restful APIs in spring Boot.
* Implemented testing strategies using JUnit, Mockito, and Spring Test for unit testing, integration testing, and end-to-end testing of Spring Boot applications.
* 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.
* 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.

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

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

**Role: Sr. Java 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.
* Developed custom message producers and consumers in Java languages, leveraging ActiveMQ APIs and client libraries.
* Conducted load testing and performance tuning of RESTful APIs using tools like Apache JMeter, identifying, and resolving performance bottlenecks.
* Integrated with RESTful APIs and GraphQL endpoints using Axios, Apollo Client, or Fetch API, facilitating efficient data retrieval and management.
* Successfully ingested and transformed data into MongoDB from various sources, often using Extract, Transform, Load (ETL) processes.
* 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
* Implemented Angular modules, components, services, and directives to build modular and maintainable codebases.
* Containerized Spring Boot applications using Docker, enabling consistent deployment and scalability across different environments and platforms.
* 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.
* Used JavaScript 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

**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.
* Implemented client-side form validations and error handling using React forms libraries like React Hook Form, enhancing user input validation and data integrity.
* 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.
* Configured and monitored AWS services using AWS CloudWatch, CloudTrail, and AWS Config, ensuring high availability, security, and compliance of cloud environments.
* Designed and developed RESTful APIs with Node.js, implementing CRUD operations, data validation, and authentication.
* 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.
* 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.
* 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.
* Implemented reactive data access using Spring Data Reactive Repositories, interacting with databases like MongoDB or Cassandra
* Integrated RESTful APIs and HTTP services using Angular Http Client module, enabling seamless communication with backend systems.
* Used Spring for bean instantiation, annotations, controllers, request mapping to handle the webservice

request and response.

Developed custom message producers and consumers in Java, .NET, or other programming languages, leveraging ActiveMQ APIs and client libraries.

Designed and implemented serverless architectures using AWS Lambda, API Gateway, and DynamoDB, reducing infrastructure management overhead and improving scalability and agility.

* 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.

Implemented monitoring and logging solutions using AWS CloudWatch, CloudTrail, and AWS X-Ray, enabling real-time monitoring, alerting, and troubleshooting of AWS resources.

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

JavaScript, jQuery, AJAX and JSON.

Implemented CI/CD pipelines using AWS CodePipeline, CodeBuild, and CodeDeploy, enabling automated testing, building, and deployment of applications.

* 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.
* Running Tests and writing Swagger specifications for few micro services.
* 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.
* Designed and implemented complex data bindings and dynamic UI components using Angular templates and data-binding syntax.
* 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.
* Designed, implemented, and maintained messaging architectures using ActiveMQ, ensuring reliable and efficient communication between distributed systems
* Implemented CI/CD pipelines using AWS Code Pipeline, Code Build, and Code Deploy, enabling automated testing, building, and deployment of applications.
* 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.
* 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).
* 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, JIRA, GIT

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

 **Role: Full Stack Java Developer**

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.
* Implemented client-side form validations and error handling using Angular reactive forms or template-driven forms, ensuring data integrity and user input validation.
* Developed disaster recovery plans and procedures to ensure Kafka cluster resilience in the face of failures or data loss.
* Implemented caching solutions using Spring Boot's caching abstraction or caching providers like Redis improving application performance and scalability.
* 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
* Used Spring Framework 4.1 for the application development.
* Responsible for Web UI development in JavaScript using jQuery, AngularJS, and AJAX.
* Involved in front end development using Struts, JSP's, JSF and JSTL.
* 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.
* 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**

#### 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.
* Optimized application performance by implementing lazy loading, code splitting, and other optimization techniques, resulting in faster page load times and improved user experience.
* Designed and optimized database schemas using SQL and ORM frameworks like Hibernate, improving data retrieval efficiency.
* 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.
* 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.
* Developed dynamic and interactive web applications using JavaScript, HTML, and CSS, to create seamless user experiences.
* Developed semantically structured HTML markup for web pages, ensuring accessibility, SEO-friendliness, and maintainability.
* Implemented SQL queries, stored procedures, and triggers to perform data manipulation, validation, and business logic enforcement within the Oracle database.
* Configured Maven project structures and build configurations using Maven Project Object Model (POM), defining project metadata, dependencies, and plugins
* Implemented responsive web designs using CSS media queries and flexbox/grid layouts, ensuring adaptability to various viewport sizes and device orientations.
* Designed and implemented custom monitoring checks and scripts to monitor system metrics, application health, and performance indicators.
* Integrated RESTful APIs and web services into frontend applications using JavaScript Fetch API or Axios, enabling seamless data exchange and functionality extension.

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