**GUNASHEKAR MANDADI**

 **SENIOR JAVA FULL STACK DEVELOPER**

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**PROFESSIONAL SUMMARY**

* Over 10+ years of full stack development experience in Analysis, Design, Development, Testing, and Maintenance of web-based, enterprise business applications using Java/J2EE technologies across the entire Software Development Life Cycle (SDLC).
* Proficient in web designing and development using **HTML5**, **CSS**, **JavaScript**, **XML**, **Angular**, **JSP**, **JSON**, **jQuery**, and frameworks like **Angular** and **ReactJs**.
* Extensive knowledge of Angular features, server-side JavaScript structures like **Node.js**, and **CSS** aspects including backgrounds, layouts, positioning, and behaviors.
* Experience in using ORM frameworks like Hibernate, JPA and integrating with Spring ORM.
* Expertise in **Java 8** features, object-oriented design, and core Java concepts such as Multi-threading, Exception Handling, Generics, Annotations, Collections, and I/O.
* Experience in designing and developing software applications with **Java**, **J2EE**, **JSP**, servlets, web services, **JDBC**, **XML**, **CSS**, **SOAP**, and **REST**.
* Proficient in testing frameworks like **JUnit**, Power Mock, Mockito, Cucumber, Jasmine, and Karma.
* Strong experience in multi-tiered web-based enterprise applications using servlets, JSP, Hibernate, Microservices, Spring, Spring Boot, Spring **JDBC**, and Java Beans.
* Experience in **REST** Microservices using Spring Boot, coding both View layer (**MVC** frameworks) and model layers using Struts and Java Web Services.
* Design and implementation of Model-View-Controller (**MVC**) architecture, **IOC**, **AOP**, **DAO** using Spring Framework.
* Worked on Cloud Service projects and deployed using **Azure** DevOps pipelines.
* Developed Restful services with Node.js Loopback framework and consumed with Angular services.
* Proficient in implementation of spring frameworks like **Spring MVC,** Spring IOC, Spring REST, Spring AOP, Spring transaction Management, Spring Data, Spring DAO, Spring Batch, Spring Security and Spring Boot.
* Well-versed in J2EE design patterns including OOP, POJO, Dependency Injection, Singleton Factory, DAO, MVC, AOP.
* Hands-on experience in API development for **SOAP and REST**-based web services.
* Database development and implementation using RDBMS (SQL Server, Oracle) and NoSQL databases (MongoDB, DynamoDB).
* Configured and managed application settings using .NET Core configuration providers, supporting various environments and ensuring flexibility.
* Conversion of Monolithic app to **Microservices** architecture using **Spring Boot** with 12-factor app methodology.
* Worked with Amazon Web Services (AWS) like Elastic Beanstalk, EC2, AMI, Linux, and implemented CI/CD using AWS services.
* Experience in Azure and AWS Cloud Deployment, continuous integration systems like Jenkins.
* Proficient use of **MAVEN** as a build tool, messaging systems like **Kafka**, and software containerization platforms like **Docker** and **Kubernetes**.
* Experience in messaging queue services like IBM MQ. r, Active MQ and Apache Kafka.
* Expertise in using Custom Tag Libraries for embedding dynamic code into **JSP** pages.
* Knowledgeable in version controls such as **SVN** and **GIT**.
* Work experience on application servers like WAS (WebSphere Application Server), WebLogic, Apache Tomcat Webserver, JBOSS.
* Basic knowledge in **UNIX** shell Scripting.
* Proven experience in Integrated Development Environments (**IDE**) such as **Eclipse** and **IntelliJ**.
* Expertise in using issue tracking tools such as Quality Center and JIRA.
* Expert in Various **Agile** methodologies like **SCRUM,** Test Driven Development (TTD), Incremental and Iteration methodology, Agile Development &Testing using Software Development Life Cycle.
* Self-driven, adaptable, and quick-learning professional with an in-depth understanding of **SDLC**, project requirement gathering, design, and OOA & OOD.
* Implemented Test Driven Environment (TDD) Used JUnit, Mockito, Sonar for Unit testing.
* Ability to work individually as well as in a team with excellent problem-solving skills, troubleshooting capabilities, learn new tools and concepts.

**EDUCATION**

* MS in Information Technology and Management, St. Louis, Missouri.
* Bachelor’s in computer science from Jawaharlal Nehru Technological University, Hyderabad.

**Technical Skills:**

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| **Programming Languages** | Java8, Java11, Java17, C#, C++, PL/SQL, Groovy |
| **J2EE Technologies & Frameworks** | JSP, servlets, Java Database Connectivity (JDBC), Java Beans, Java Security, JAX-RS, JAX-WS |
| **Web Technologies** | HTML, HTML5, CSS/CSS3, AJAX, jQuery, Bootstrap, XML, Grunt, Gulp, JSON, Tailwind CSS |
| **Web Service/ ORM****Frameworks** | Spring 4.3, Spring Boot, Spring MVC, Spring security 3.2, Spring IOC, Spring AOP, Junit, Struts, Hibernate 4.3, JPA |
| **JavaScript Frameworks** | AngularJS, Angular 8/11/12, TypeScript, jQuery, React, React.js, Node.js, Backbone.js, Handlebars.js, Vue.js |
| **Cloud Technologies** | AWS, Azure, GCP, Docker, Jenkins, Kubernetes, EC2, ECS, S3 |
| **Database tools** | Oracle10g/11g/12c, SQL server, MYSQL 5.7, MongoDB, DynamoDB, PostgreSQL, MySQL,  |
| **Design Patterns** | Singleton, factory method, MVC, Data Transfer Object, Data Access Object |
| **Build Tools/ Testing Tools** | Maven, Gradle, Jenkins Junit, Putty, Splunk, Mockito, SOAP UI |
| **IDEs/ Operating Systems** | Eclipse, IntelliJ, Windows, Linux |
| **Security / Version Control Tools** | OAuth, JWT (JSON Web Tokens) / GIT, SVN |
| **Web Application Servers** | Oracle WebLogic 10.x/9.x, Apache Tomcat 8.0/7.x/6.x, IBM WebSphere 8.x/6.x |
| **Logging & Monitoring** | Log4J, Slf4J and Cloud Watch, SonarQube, Sonar lint, ESLint |
| **Messaging Platforms** | Apache Kafka, IBM MQ 8.0, JMS, Rabbit MQ, Active MQ |
| **API Testing and Documentation** | Postman, Swagger |

**Client: Toyota Financial Services, Plano, Texas. Aug 2022 to July 2024**

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

**Responsibilities:**

* Collaborated closely with business analysis teams, product owners, and clients to define project objectives and translate them into functional and technical specifications.
* Involved in design and development of the front end for application using **HTML5, CSS3, SCSS, Bootstrap** and **Angular 12** frameworks.
* Developed microservices using Spring Boot, GraphQL, and MongoDB, leveraging Java 17 features like Pattern Matching, Records, and Sealed Classes for better code maintainability.
* Contributed to the design and implementation of RESTful APIs using Spring REST, adhering to RESTful principles and industry best practices.
* Used **Micro service architecture** with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers and worked with Kafka Cluster using Zookeeper and Scala micro service.
* Worked closely with **Kafka Admin** team to set up Kafka cluster setup on QA and Production environments, with knowledge in Kibana and Elastic search for monitoring.
* Utilized **Java 17's** Vector API for optimized data operations, achieving 25% performance improvement over Java 11 codebase.
* Implemented processes using client scripting language and server scripting languages like JavaScript, jQuery, JSON, Bootstrap, **Angular JS**, Backbone.js.
* Integrated Angular Material 12 library for designing responsive and accessible UI components, ensuring consistency and usability across different devices and browsers.
* Leveraged Angular 12's Ivy compiler to achieve faster build times and improved runtime performance, optimizing the overall development process.
* Implemented Kafka Streams for real-time data processing, enabling seamless data transformation and aggregation, enhancing overall system performance and efficiency.
* Implemented Hibernate Template to great extent making use of HQL, Named Parameters, Named Queries, and interfaces such as Expression, Query and Criteria.
* Extensively experienced in deploying, managing, and developing MongoDB clusters, as well as building Cassandra Clusters on physical machines and **AWS**.
* Proficient in developing RESTful services using **Node.js** frameworks like Express.js, ensuring optimal design patterns for performance and maintainability.
* Developed and deployed microservices using Node.js, optimizing the modular approach in service architecture to enhance application scalability and ease of maintenance.
* Implemented GraphQL APIs to provide a flexible and efficient way for clients to request and receive data, reducing over-fetching and under-fetching issues commonly seen in RESTful APIs.
* Built Cassandra Cluster on both the physical machines and on **AWS.**
* Developed environments of different applications on **AWS** by provisioning on EC2 instances using Docker, Bash and Terraform.
* Implemented microservices using Spring Boot, GraphQL, and MongoDB, deploying them on AWS cloud platform using automated processes through services like Lambda, EC2, S3, Code Deploy, and Code Pipeline.
* Utilized **Jenkins CI/CD**, Docker, and OpenShift for Continuous Integration & Deployment (CI/CD) for Microservices, ensuring efficient delivery pipelines.
* Extensively used the advanced features of PL/SQL like Records, Tables, Object types and Dynamic SQL.
* Proficient in Dockerizing applications and creating **Docker files** to define containerized environments for development, testing, and production.
* Utilized **OAuth2** Protocol for third-party service authentication and implemented Json Web Token (JWT), Hashing, and Salting for securing Web Applications.
* Developed scalable and concurrent applications in Scala, utilizing its functional programming paradigms to write concise, expressive, and robust code.
* Implemented data processing and transformation logic in Scala for Apache Spark applications, ensuring high-performance data processing in big data environments.
* Managed and maintained Linux servers for development, testing, and production environments, ensuring optimal performance and security.
* Engaged in developing code for obtaining bean references in the Spring framework using Dependency Injection (DI) or Inversion of Control (IOC) through annotations.
* Monitored Kafka cluster performance using tools like Prometheus, Grafana, and Confluent Control Center to ensure optimal operation and quick resolution of performance issues.
* Implemented **CI/CD pipelines** with Jenkins for automated builds and deployments.
* Developed and maintained applications using .NET Core and .NET Framework, leveraging C# for backend development.
* Designed and implemented RESTful APIs using ASP.NET Core, ensuring efficient data exchange and integration with other systems.
* Collaborated with QA teams to develop comprehensive test plans and conducted thorough unit testing, integration testing, and end-to-end testing using JUnit, Mockito, frameworks.
* Utilized Python for scripting tasks and **Log4j** for logging and monitoring purposes.
* Developed custom Splunk queries, reports, and dashboards tailored to specific business requirements and key performance indicators (KPIs), providing actionable insights for decision-making.
* Proficient in managing project dependencies effectively using **Maven** and Gradle, ensuring smooth integration of third-party libraries and frameworks into the project build process.
* Performed API testing using Postman, Swagger, and automated them using Rest and Salesforce objects.
* Extensive experience with TDD using **JUNIT, Mockito,** TestNG, Easy Mock, and Jococo Reports for test coverage.
* Optimized Web Flux applications for scalability and performance, using techniques such as backpressure handling, reactive streams, and asynchronous I/O.
* Embraced **Agile's** adaptive planning approach, responding to changing requirements and priorities dynamically, adjusting sprint goals and scope as needed to maximize value delivery.
* Conducted unit testing using **Jasmine** behavior-driven framework and executed them using Karma.
* Demonstrated strong problem-solving skills and the ability to troubleshoot and resolve complex technical issues in a timely manner, ensuring smooth project delivery and client satisfaction.

**Environment**: Java 17/11, J2EE, Angular12, Struts, HTML5, JDBC, Hibernate, Spring MVC, Spring JPA, Spring Web, Spring REST, Spring Security, JBoss, Groovy, .NET, Linux, Tomcat, JUnit, Mockito, Mule ESB, jQuery, SQL/PL SQL, Eclipse, Agile, Jenkins, Docker, Selenium, Cucumber, AWS, Maven/Gradle, Apache Kafka, EDI, Grafana, Swagger, Splunk.

**Client: VIR Biotechnologies, San Francisco, CA. Jan 2021 to July 2022**

**Role: Java** [**Full Stack Developer**](https://www.google.com/aclk?sa=l&ai=DChcSEwjjo-TwpdX3AhUxmWYCHZBOBVgYABAFGgJzbQ&ae=2&sig=AOD64_3_xcmUBJDVcVC1HfJJLmkBDpq1Zg&ved=2ahUKEwj3h93wpdX3AhWuTmwGHZf-BRcQqyQoAHoECAUQCg&adurl=)

**Responsibilities:**

* Led the transformation of a monolithic application to **Microservices architecture** using Java 8/11 and Spring Boot, following the 12-factor app methodology.
* Applied J2EE Design Patterns such as Singleton, Facade, Proxy, and Observer for Middle Tier Development, enhancing code maintainability and scalability.
* Utilized **React's** component-based architecture to develop modular and reusable UI components, resulting in improved code scalability and maintainability.
* Leveraged React's virtual DOM to optimize rendering performance, enhancing the user experience with faster UI updates.
* Used reactive & template driven forms to associate HTML elements to model & provide dynamic user validations on client side.
* Implemented Redux for state management in React applications, centralizing application state and enabling predictable state transitions, enhancing scalability and maintainability of large-scale applications.
* Utilized **React** Router for declarative routing in single-page applications (SPAs), enabling navigation and URL handling without full page reloads, enhancing user experience and application performance.
* Configured and managed multiple data sources efficiently using **Hibernate** Session Manager and extensively utilized Hibernate Template for database interaction.
* Configured Docker setup locally for streamlined testing across different layers of the application, ensuring consistent testing environments.
* Deployed and managed containerized applications on RedHat OpenShift, ensuring scalable and resilient deployments across development, testing, and production environments.
* Configured OpenShift clusters for high availability, optimizing resource allocation and ensuring continuous operation of mission-critical applications.
* Implemented security measures for Restful web services using **Spring Security** filters and bearer token authentication mechanism using JWT token.
* Integrated OAuth 2 for secure communication with protected resources, exchanging access tokens for authentication.
* Implemented Microservices architecture using Spring Boot and REST API, allowing different parts of the program to communicate efficiently.
* Integrated authentication and authorization mechanisms using JWT (JSON Web Tokens) with Express.js for secure access control to web services and resources, enhancing application security.
* Used **MongoDB** internal tools like Mongo Compass, Mongo Atlas Manager & Ops Manager, Cloud Manager etc.
* Worked on MongoDB database concepts such as locking, transactions, indexes, sharding, replication and schema design.
* Implemented blue/green deployment strategies within **CI/CD** pipelines to achieve zero-downtime deployments and minimize risks associated with production releases.
* Configured CI/CD pipelines to automate rollback procedures in case of deployment failures or unexpected issues detected post-release.
* Leveraged **AWS Lambda** for serverless computing, allowing execution of code without provisioning or managing servers.
* Developed custom **Kafka** producers and consumers to handle specific message formats and requirements, ensuring compatibility and reliability in data transmission between various components of the system.
* Integrated Kafka with Apache Storm for real-time stream processing, enabling complex event processing and analytics on high-volume data streams, providing actionable insights and intelligence for decision-making.
* Implemented **Python** alongside Hadoop technologies for agile data integration and visualization, meeting dynamic business needs.
* Experienced in integrating Node.js applications with various databases such as MongoDB, MySQL, and PostgreSQL using both native drivers and ORM/ODM libraries like Mongoose and Sequelize to handle complex queries, transactions, and data modeling.
* Used **GitHub/Jira/Confluence tool** for daily routines.
* Developed RESTful and GraphQL APIs using Python frameworks like Flask and Fast API, ensuring efficient data exchange and integration with other systems.
* Configured and managed network settings on Linux servers, ensuring secure and reliable connectivity for applications and services.
* Worked with open systems architectures, designing and implementing solutions that are scalable, interoperable, and capable of integrating with a wide range of technologies and platforms.
* Implemented security best practices on Linux systems, including user and group management, permissions, firewalls, and SELinux configurations.
* Used **Python** for writing automation scripts for various operational tasks such as system monitoring, file manipulation, and data logging, enhancing operational productivity.
* Developed serverless applications using AWS Lambda with Python, creating scalable and cost-effective solutions for various business processes.
* Implemented sophisticated log filtering mechanisms using **Log4j's** configuration options.
* Contributed to the documentation of configuration settings for development, test, and production environments, ensuring consistency and reproducibility across deployments.
* Generated **Swagger** documentation for rest services and exposed it to external teams by using spring fox swagger library.

**Environment**: Java 8/11, Spring framework, Spring Boot, Spring Security, JWT, OAuth, Spring Batch, React, JSP, Servlets, XML, XSLT, Log4j, AJAX, Eclipse, HTML, CSS, .NET, Linux, HTML5, CSS3, Bootstrap, Node.Js, Python, Hadoop, Big Data, PL/SQL Eclipse, Jenkins, Postman, GraphQl, GitHub, Oracle, XML, XSD, TDD, MongoDB, EDI, UNIX, Windows XP, AWS Services, Apache Kafka.

**Client: State Of Nebraska, Lincoln, NE. Nov 2018 to Dec 2020**

**Role: Java Full Stack Developer**

**Responsibilities**

* Involved in designing, developing, and testing the web application by using HTML5**, CSS3, Bootstrap**.
* Developed reusable and modular React components using React's component-based architecture, improving code maintainability and scalability.
* Implemented server-side rendering (SSR) with **React**, improving initial load times and enhancing search engine optimization (SEO).
* Implemented code splitting and lazy loading techniques in React applications, optimizing performance and reducing initial load times.
* Built Restful web services using **Node JS** and Express JS and used a full complement of Express.
* Utilized Node.js and Express.js to implement real-time communication features using technologies like WebSocket or Socket.io, enabling bidirectional communication between clients and servers for interactive applications.
* Designed and developed RESTful APIs using Express.js to facilitate data exchange between client-side and server-side applications, adhering to REST principles for scalability, flexibility, and interoperability.
* Employed **React** Hooks to manage component state and lifecycle in functional components, enabling encapsulation of logic and reducing code duplication, promoting cleaner and more readable code.
* Created and consumed RESTful API using Express.js to provide centralized logic and reusable data retrieval build on top of Node.js.
* Deployed and managed Java EE applications on Oracle WebLogic Server, ensuring high availability, performance, and security of enterprise applications.
* Configured WebLogic clusters and managed resources, optimizing server performance and ensuring load balancing and failover capabilities.
* Integrated **Spring Boot Security** for implementing robust authentication and authorization mechanisms, including role-based access control (RBAC), OAuth2, or JSON Web Tokens (JWT), ensuring secure access to application resources and protecting against common security threats.
* Implemented **Spring Boot Actuator** to monitor and manage application health, metrics, and other runtime information, enabling efficient monitoring, debugging, and troubleshooting of the application in production environments.
* Extensive experience in designing and implementing scalable and maintainable architectures using the **Spring MVC design patterns**. Worked on microservice based architecture using Spring Boot Architecture using REST API.
* Configured **Azure DevOps** pipelines for automated build, test, and deployment processes, enabling continuous integration and continuous deployment (CI/CD) practices to streamline software delivery and improve release efficiency.
* Implemented Docker Hub and private Docker registries for storing and sharing Docker images securely within the development team and across environments.
* Employed **Docker** networking to create virtual networks, connect containers, and isolate application components for enhanced security and performance.
* Developed enterprise-grade applications using Java 8 and 11, leveraging modern features like lambdas, streams, and the java. time API to write clean, efficient, and maintainable code.
* Migrated legacy applications to Java 11, ensuring compatibility with the latest Java standards and optimizing performance by utilizing new language features and JVM enhancements.
* Implemented asynchronous programming in Java using Completable Futures and the reactive programming model to improve application responsiveness and throughput.
* Automated Docker container builds and deployments using Jenkins pipelines, Docker Hub webhooks, and Docker Compose scripts, ensuring consistent and reliable application delivery.
* Implemented JSON web tokens mechanism for authentication and authorization security configurations using Node.js.
* Used **Pivotal Cloud Foundry** to quickly build, deploy and update the applications and managed Pivotal Cloud Foundry based platform built on Kubernetes programming with deployment manager and containerized using Docker.
* Utilized GraphQL subscriptions to enable real-time updates and push notifications, allowing clients to subscribe to data changes and receive updates as they occur.
* Integrated Agile practices with **CI/CD pipelines**, ensuring automated builds, tests, and deployments, enabling rapid feedback loops, and accelerating delivery timelines.
* Designed and optimized NoSQL databases using MongoDB, structuring data in a way that ensures efficient storage, retrieval, and scalability.
* Developed applications that interact with MongoDB, using its flexible schema and powerful query language to manage and retrieve data efficiently.
* Leveraged Splunk's REST API for automation and integration with other IT management and monitoring tools, streamlining workflows, and enhancing operational efficiency.
* Participated in **Splunk** user groups and forums to stay updated on best practices, new features, and industry trends, continuously improving Splunk usage and adoption within the organization.
* Implemented Kafka Connect Converters for data serialization and deserialization, supporting various data formats such as JSON, Avro, and Protocol Buffers.
* Skilled in designing data models for **Cassandra** databases, including key spaces, tables, and partitioning strategies, optimizing schema designs for efficient data retrieval and storage.
* Integrated Log4j seamlessly with other logging frameworks or libraries such as SLF4J (Simple Logging Facade for Java) for unified logging across different components of the application stack.
* Proficient in **Maven** for project management, dependency resolution, and build automation, ensuring streamlined development workflows and consistent project configurations.

**Environment**: Java, HTML5, CSS3, Typescript, REACT JS, S3, RDS, Mocha, Git, NPM, YARGS Grunt, Bower, Spring Security (JWT), Azure, CI/CD Pipelines, SQL, PL/SQL, Log4j, Kafka, Cassandra, Node.js, Express, IBM WebSphere, Jetty Server, AEM, JSON, Spring, JSP, Hibernate, Kubernetes, Docker, PCF, EC2, Jenkins, .NET, Linux.

**Client: Lululemon, Chicago, IL. Jan 2016 to Oct 2018**

**Role: Sr. Java Developer**

**Responsibilities**

* Developed User Interface view with **Spring MVC and AngularJS** as a Service Oriented Architecture (SOA) application.
* Used HTML5, CSS, jQuery, Ajax and performed client-side validations using JavaScript.
* Developed a Single Page Application with an Angular Router Module, incorporating template routing for breadcrumb navigation and creating TypeScript reusable components and services for **REST API** consumption.
* Enhanced project maintainability by implementing and improving Exception Handling and Collection APIs.
* Implemented **Spring framework (MVC)**, developing Action Servlet and Action Form bean, and successfully converted a Monolithic app to Microservices architecture using Spring Boot with the 12-factor app methodology.
* Created responsive UI modules using **Backbone.JS, Handlebar JS, Ember JS.**
* Update data using **CRUD** (Create, read, update, delete) features of Backbone.JS and Paginator for pagination for Tables.
* Implemented Multithreading for handling multiple requests and for high performance.
* Implemented Internationalization using Spring MVC Interceptors, Spring core modules and native Spring AOP facets of Logging and transactional management.
* Optimized data access by utilizing **Hibernate** caching mechanisms to reduce database round trips and improve performance.
* Extensive knowledge of managing project dependencies and scripts using npm, optimizing package management with private npm registries for enterprise environments.
* Developed applications using server-side rendering techniques with Node.js to improve SEO and optimize load times, enhancing the user experience by delivering rendered content directly from the server.
* Utilized Node.js Stream API for handling large volumes of data efficiently, applying streams for data processing tasks like file uploads/downloads, data transformation, and logging.
* Developed SOAP web services using **JAX-WS** and persistence using Hibernate and JPA framework.
* Designed and executed complex SQL queries in Google Big Query, enabling real-time analysis of large datasets and extracting actionable insights from big data.
* Integrated Big Query with ETL pipelines, automating data ingestion, transformation, and storage for analytics and reporting purposes.
* Developed **SOAP** Services and Web Service Clients (JAX-WS) with data representation in different formats such as XML.
* Developed Spring Batch processes for financial reporting applications.
* Proficient in integrating Jenkins with **Docker** and Kubernetes for automating container builds, testing, and deployment processes.
* Developed distributed data processing pipelines using Apache Spark, handling large-scale datasets with high efficiency and enabling real-time data analytics.
* Optimized Spark jobs for performance by tuning Spark configurations, managing memory usage, and leveraging advanced features such as data partitioning and caching.
* Integrated Google Cloud Functions to implement event-driven serverless functions, enabling automatic execution in response to cloud events, HTTP requests, or triggers from other GCP services.
* Configured and used Kibana for visualizing data stored in Elasticsearch, creating dashboards and reports that provide insights into application performance, log data, and user behavior.
* Monitored and analyzed application logs using Kibana, identifying trends, detecting anomalies, and troubleshooting issues in real-time.
* Utilized Google Kubernetes Engine (GKE) for container orchestration, managing Docker containers and Kubernetes clusters to automate deployment, scaling, and management of containerized applications.
* Proficient in designing and managing distributed data architectures using Apache **Cassandra**, leveraging its decentralized, masterless architecture to distribute data across multiple nodes in a cluster.
* Used Spring Security framework for login authentication, password hashing. Worked on Java Message Service **(JMS) API** for developing message-oriented middleware (MOM) layer for handling various asynchronous requests.
* Implemented Quartz scheduler to execute batch programming using **Spring Batch.**
* Managed source repositories using Git and SVN for version control tools, ensuring effective collaboration and version tracking.
* Configured Jenkins to handle application deployment in Pivotal Cloud Foundry **(PCF**) server and to integrate with Git Hub version control.
* Knowledgeable in server-side **JavaScript** development using Node.js, leveraging its event-driven, non-blocking I/O model to build scalable, high-performance web servers, APIs, and microservices, enabling full-stack JavaScript development and sharing code between client and server.
* Build a **CI/CD pipeline** using Jenkins automation and GitHub repositories using web hooks plugin.
* Performed Angular JS end to end testing using Protractor framework and Integration testing methods and Behavioral driven are implemented using Selenium and Cucumber respectively.
* Used **JIRA tool** for project management used in the application to tack bugs, issues, and project management functions.

**Environment**: Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, JMS, JavaScript, Hibernate, DB2, SOAP services, JAX-WS, JPA Framework, Spring Rest, Spring MVC, Spring Security, Hibernate, Spring Transactions, Spring Batch, GCP, Quartz scheduler, Spring IOC, Cassandra, Jenkins, Git, RabbitMQ, DB2, Pivotal Cloud Foundry (PCF) server, Node.Js, Grunt, Jenkins, Protractor, Grunt, Selenium, Cucumber, JIRA.

**Client: AT&T, Dallas, Tx. Nov 2013—Dec 2015**

**Role: Java Developer**

**Responsibilities:**

* Involved in Requirement Analysis and Design and documentation.
* Designed and developed the application using **Java Server Faces** (JSF) framework.
* Actively involved in developing mock screens by using **HTML, CSS3, Bootstrap, JavaScript,** and **AngularJS.**
* Proficient in developing web applications using JSF, a component-based framework that simplifies UI development by providing a rich set of reusable UI components, facilitating rapid application development and maintenance.
* Experienced in integrating managed beans with JSF pages to manage application state, handle user input, and invoke business logic, enabling the development of dynamic and interactive web applications with minimal boilerplate code.
* Knowledgeable in leveraging Ajax (Asynchronous JavaScript and XML) capabilities in JSF applications using built-in Ajax support provided by **JSF** frameworks like Prime Faces enabling seamless asynchronous data exchange and enhanced user experience.
* Implemented design patterns like Data Access Objects (DAO), Data Transfer Objects (DTO), and Singleton.
* Experienced in implementing **Angular** services for encapsulating business logic, data access, and communication with backend APIs, ensuring separation of concerns and maintainability in Angular applications.
* Skilled in building forms and implementing client-side validation using Angular reactive forms or template-driven forms, ensuring data integrity and user input validation in Angular applications.
* Developed the application using JSP for the presentation layer and JavaScript for the client-side validations.
* Used **Spring framework** for server-side implementation to build JSP-based web application based on MVC design paradigm. The Views are programmed using JSP pages, Model is a combination of EJBs, and Servlets are used as controllers.
* Configured different layers of the application such as presentation, server, and persistence layers using Spring IoC and maintained the Spring Application Framework IoC container.
* Worked on the configuration of **Spring, Spring Cloud, Micro Services framework**, and Hibernate mapping.
* Developed batch processing using Spring Batch in the persistence layer and improved performance of batch processing using Multithreading for control of asynchronous tasks in parallel threads.
* Used Hibernate ORM tool in the business layer to communicate with the Spring DAO and developed POJOs.
* Used **Hibernate 3.0** object-relational data mapping framework and wrote queries for data storage, retrieval, tuning, and mapping from the database.
* Leveraged Azure cloud services for hosting and scaling application components, ensuring high availability and fault tolerance.
* Implemented Azure **DevOps** pipelines for continuous integration and continuous deployment (CI/CD), automating the build, testing, and deployment processes.
* Utilized **Azure Blob Storage** for storing and managing large volumes of unstructured data, ensuring efficient data storage and retrieval mechanisms.
* Developed reactive web applications using Spring Web Flux, enabling non-blocking, event-driven architecture for high-performance web services.
* Integrated Web Flux with reactive data sources such as R2DBC and MongoDB, ensuring seamless and efficient data retrieval in reactive environments.
* Experienced in **Cassandra NoSQL** database for distributed and highly scalable data storage, proficient in data modeling, query optimization, and maintenance of large-scale data sets in distributed environments.
* Proficient in configuring **Maven build scripts** (POM.xml) for automating build tasks, such as compiling source code, running tests, packaging artifacts, and generating documentation, ensuring consistency and reproducibility in the build process.
* Developed several REST web services which produce both XML and JSON to perform tasks, leveraged by web applications.
* Used Postman to test Restful web services and to perform operations like Get, Post, Update, and Delete.
* Used **Java Messaging Service (JMS)** for reliability and exchange of important information such as payment reports.
* Used Oracle database and wrote the PL/SQL stored procedures and triggers to implement the business logic.

**Environment**: JDK 1.6, J2EE, JSP, EJB, Servlets, Struts, HTML, CSS, JavaScript, JSF, Bootstrap, AngularJS, Spring Boot, Rational Rose, Hibernate, POJOs, XML, JSON, Postman, JMS, Oracle10g, PL/SQL, Azure, JBOSS Server, JIRA, Maven, Cassandra, JUnit, IntelliJ IDEA.

**Certifications**

1. Certified in Cloud Security and Audit Fundamentals: AWS, Microsoft Azure, and Google Cloud **(Certified by CompTIA)**

<https://www.linkedin.com/learning/certificates/7b6166005864057008682a34fcc5c4db800c02d720c8e207ebe25cd7005d1537>

2. Certified in Career Essentials in Software Development by Microsoft and LinkedIn **(Certified by Microsoft & LinkedIn)**

<https://www.linkedin.com/learning/certificates/0a6d1a9af301e2aa510eae47b061777348ab06b97aa9f0f3ef44bb0007277a27>

3. Certified in AWS Certified Solutions Architect - Associate (SAA-C03) Cert Prep: Identity and Access Management **(Certified by LinkedIn)**

<https://www.linkedin.com/learning/certificates/ecd6f26263d84375eb638481018d0e7085f1949ffc680400843b303f8585e847>

4. Certified in AWS Certified Database – Specialty (DBS-C01) Cert Prep: Introduction and Services **(Certified by LinkedIn)**<https://www.linkedin.com/learning/certificates/f6e60f5798da34f3c4a7759bbedc5dc81830893aecd86dfa23114fd266724064>

5. Certified in Learning Spring with Spring **(Certified by LinkedIn)**<https://www.linkedin.com/learning/certificates/0e1a1d7a01904d73e33ae19a87740ed38a484583689ec227b407678de39ab228>