**REKHA KOSARAJU - JAVA FULL STACK DEVELOPER**

**Phone**:

**Email**:

**PROFISSIONAL SUMMARY**

* Over 10+ years of software development and Skilled **Sr. Java Full Stack Developer** experience in diverse fields such as **Financial**, **Healthcare**, and **State** domains showcasing my expertise across the entire software development life cycle from architecture and design to implementation, optimization, and testing.

# Expertise in Java/J2EE Technologies like Core Java, JDBC, Servlets, JSP, Spring Framework, Spring Core, Spring MVC, Spring Boot, Hibernate, JPA, EJB, JTA, JMX, JCA, Microservices, Junit and RESTful API.

* Proficient in Agile methodologies including **SCRUM**, Test-Driven Development (**TDD**), Incremental and Iterative methodology and Agile Development & Testing within the Software Development Life Cycle (**SDLC**).

# Expertise in Object-Oriented Design principles, SOA Architectures, multithreading, streams, and lambdas.

* Proficient in implementing various design patterns such as **Singleton, Factory, Builder**, and **Observer**.
* Developed **RESTful** web services and microservices using **Spring Boot** with **ORM** frameworks like **Hibernate**.
* Hands-on experience with big data technologies such as **Apache Spark**, skilled in data visualization with **Kibana**.
* Extensive knowledge in **Spring MVC**, **Spring Data, Spring Cloud, Spring Boot, and Spring Security (OAuth2.0).**
* Proficient in working with **relational** databases such as **MySQL**, **PostgreSQL**, **Oracle**, and **NoSQL** like **MongoDB**.
* Proficient in **DevOps** practices and cloud technologies, deploying applications on **AWS**, **Azure**, **GCP** and **OpenShift.**
* Expertise in Google Cloud Platform (**GCP**) products and services like **Spanner, PubSub, Borg, CNS.**
* Successfully implemented **DevOps** (CI/CD) model using **Jenkins, Gradle, SonarQube, Docker** for automation.
* Experienced in testing with **Junit, Mockito, Jest, Jasmine, Karma**, and test-driven development (**TDD**).
* Experience with **Hibernate** and **JPA** for object-relational mapping (**ORM**) in Java applications.
* Proficient in version control systems like **Git** and **SVN** for collaborative development and code management.
* Proficient in UI frameworks like **Angular 11, 8** for building modern and responsive web applications.
* Experience in **(UX) design and development, HTML5, CSS3, JavaScript, jQuery** and **JavaScript** (**ES6**+).
* Skilled in leveraging **React.js**, a powerful UI framework, to create dynamic user interfaces for web applications.
* Led the design and implementation of **microservices** architecture using **Spring Boot** and **Docker**.
* Developed **GraphQL APIs** for efficient data retrieval and integrated **Splunk** with various data sources.
* Experienced in **Node.js**, building scalable server-side apps efficiently, utilizing its ecosystem effectively.
* Orchestrated containerized applications using **Kubernetes**, leveraging horizontal scaling, and rolling updates.
* Proficient in **SQL database** management with expertise in writing complex queries, stored procedures, triggers.
* Experience in Server infrastructure on **AWS Cloud, Elastic Search, Dynamo DB, S3, Route53, SNS, and SQS.**
* Configured and managed **Docker** Swarm clusters for container orchestration, automating application deployment.
* Implemented **Apache Kafka** for real-time data processing, enabling communication between **microservices**.
* Established **CI/CD** pipelines using **GitLab CI/CD**, automating deployment processes for cloud-native applications.
* Handson Experience with **PostgreSQL, GraphQL, Jhipster** and knowledge on **Kafka, RabbitMQ, JMS.**
* Integrated **Azure DevOps** with **GitHub** repositories to automate continuous integration and delivery.
* Well experienced in deploying onto application servers like **JBoss, Web Logic, Apache Tomcat**.

**EDUCATION**

* Master’s Degree from University of Memphis, Tennessee

**SKILLS**

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| **Programming Languages** | Java 11/8/7, JavaScript, PHP, Python, SQL, PL/SQL, Scala, C, C++ |
| **Java/J2EE Technologies** | Servlets, Core java, Hibernate, JPA, JTA, JSP, JSTL, EJB, JDBC, JNDI, RMI, Applets, AWT, Multi-threading, Java Networking, Spring Framework, Spring Boot, Spring Cloud |
| **Frameworks** | Struts 1.2, Hibernate 5.0, Spring 5.0, Spring Batch, Spring Security, Spring Actuators, Spring MVC, Spring IOC, Spring Data, JSF |
| **Web Technologies** | HTML5, CSS3, JavaScript, AJAX, jQuery, Bootstrap, XML, XSLT, XHTML, DHTML, SASS, Angular.js 8/11, React.js, Node.js, TypeScript, Backbone.js, Vue.js, ES6 |
| **Database Server** | SQL Server, MySQL, PostgreSQL, Oracle, DB2, NoSQL, MongoDB, DynamoDB, Cassandra |
| **Web Services** | REST, SOAP, XSD, JAX-WS, JAX-RPC, JAX-RS, WSDL, GraphQL, REST 2.2, JAXB |
| **Messaging** | JMS, IBM MQ, Apache Kafka, Active MQ, RabbitMQ |
| **Web Application Servers** | Oracle WebLogic10.x/9.x, Apache Tomcat8.0/7.x/6.x, WebSphere, JBoss, Jenkins |
| **Methodologies** | Agile, Scrum, Kanban, Waterfall, Test Driven Development (TDD), OOAD, SDLC |
| **Version Control** | GIT, SVN, GitHub, GitLab, Clear case, bitbucket |
| **Modeling, Build Tools & OS** | Maven, Gradle, ANT, UML, Rational Rose, Windows, Mac, Linux, UNIX |
| **PM Tools & Security** | Jira, Asana, Microsoft Teams, OAuth2.0, JWT, SSL, TLS. |
| **Testing Tools** | Junit, Mockito, Jasmine, Karma, Kibana, Cucumber, Mocha, Swagger, Selenium, Postman |
| **Logging & Code Quality** | Log4J, Slf4J, Cloud Watch, SonarQube, Sonar lint, ESLint, Splunk |
| **Cloud and DB Tools and Containerization** | OpenShift, (AWS EC2, ECS, S3, RDS, Lambda, CLI, Cloud Watch), MySQL Workbench, GCP, Azure, Docker, Kubernetes, Terraform |

**WORK EXPERIENCE**

**Client: Barclays, Whippany, NJ Duration: May 2024 - till date**

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

**Responsibilities:**

* Proficient in **AGILE** methodology for project management, including Analysis, design, development, and deployment.
* Active developer in **Cisco's** consumption and software distribution project, focusing on application upgrades and new API’s for leveraging the Enterprise Agreements service.
* Extensively utilized **Java 17/11**, focusing on concepts like **OOP’s, collections, multithreading, and streams and lambdas**, and hard coded to enhance better logic for Long-Term Fix of the issue (LTF) where we follow **BDD**.
* Utilized **Spring framework** for dependency injection, and **Spring Boot** for rapid development and deployment of applications where I possess expertise in **Spring MVC**, **Spring Data**, **Spring Security** and **Spring Cloud**.
* Develop and enhance user interfaces and UI code coverage tasks using **Angular 11**, **HTML5, CSS4, and JavaScript**.
* Performing code enhancement, **debugging** and endpoint identification to ensure optimal application performance.
* Developed backend APIs in **Node**.**js** for high-performance server-side applications, ensuring scalability.
* Created a new API for the software **API** service, which internally calls another service to fetch data and display the result without exposing internal URL’s, proficient in version control i.e. **Git** for raising Pull Request (PR).
* Developed **RESTful** and **SOAP**-based web services **APIs** to enable communication between distributed systems.
* Managed NoSQL database solutions using **DynamoDB**, ensuring low-latency and high-availability for applications.
* Implemented **AWS Connect** contact center solutions, enabling scalable, cloud-based customer service operations.
* Undergoing code reviews by collaborating with leads for optimal code changing inputs.
* Utilized **Lombok** to streamline code, reduce boilerplate, and enhance maintainability.
* Configured **AppDynamics** agents for application performance monitoring and issue detection.
* Involved in **JUnit** coverage tasks, covering 4,000 lines of code and improving coverage by 94%.
* Utilize **Jenkins** for automated builds, creating **Docker** images and sending release notes to the QA for validation.
* Responsible for deploying applications into stagging environments for testing and deployed to production.
* Fixing production issues which came under INC’s, detecting the root cause and producing an optimal solution by collaborating with frontend, backend, and QA team.
* Worked on event-driven architectures using **Apache Kafka** messaging system.
* Responsible for updating **YAML** configuration files and resolving **SonarQube** blockers.
* Utilized **Toad** and **DBeaver** applications for Database management and compiling.
* Conduct API tests using **Postman** for both GET and POST methods, verifying functionality and data integrity post-deployment and used **Splunk** for checking error logs.
* Deployed applications on **OpenShift**, leveraging containerization for scalable and portable deployment.
* Active participation in daily scrum meetings, sprint planning meetings, TSD code review sessions, incident tracker meetings and new Cisco’s Enterprise Agreements features and rectified defects for the next release.

**Environment:** AGILE/SCRUM, TDD, Java 11/8, Spring frameworks, Angular 8, HTML5, CSS3, JavaScript (ES6), Bootstrap, Core Java, Hibernate, JDBC, SQL, Oracle, MongoDB, Docker, Jenkins, Node.js, Git, AppDynamics, Kafka, Splunk, RESTful and SOAP, Kubernetes, OpenShift, JSP, Log4j, Python, SonarQube, Postman, Swagger, JUnit, Mockito, Maven, Apache Tomcat.

**Client: BSW Health, Dallas, TX Duration: Dec 2023 – Apr 2024**

**Title: Java Full Stack Developer Responsibilities:**

* Proficient in **AGILE methodology** (**SCRUM**) for efficient project management, including requirements gathering, analysis, design, development, and testing in Finance domain.
* Experienced in **Test-driven development** (TDD), **BDD** and Agile estimation and planning to ensure high-quality code.
* Optimize multi-threading for **Core Java** applications and minimize memory leaks in **Core Java** code.
* Versatile with **Java** versions where I leveraged **Java 11/8** for my project’s migration process and directed team of 3 developers to implement **Java 8 streams and lambdas** to optimize data processing.
* Utilized **Spring framework** for dependency injection, and **Spring Boot** for rapid deployment of applications.
* Expertise in **Spring MVC**, **Spring Data**, **Spring Security** and **Spring Cloud**.
* Engineered dynamic user interfaces with **Angular 8,11** framework, implementing modular components.
* Utilized **Bootstrap** along with **HTML, CSS, and JavaScript** to create responsive web designs.
* Integrated **API Gateway** with Lambda for serverless backend processing and dynamic request handling.
* Designed scalable schemas using **DynamoDB** tables and developed **Splunk** dashboards to visualize critical metrics.
* Implemented **GraphQL APIs** to efficiently fetch data from multiple sources with a single endpoint.
* For data integrity and consistency, I configured **Hibernate** entities and mappings to establish relationships between

**Java objects** and relational database tables, implemented **Hibernate** caching strategies for performance optimization.

* Enhanced client-side scripting with **JQuery**, simplifying **DOM** manipulation and **AJAX** requests for user interactions.
* Utilized **SQL DDL** and **DML** statements to create and modify database objects and manipulate data and **SQL** joins.
* Designed **MongoDB** collections and documents to represent data entities and relationships, providing flexibility.
* Implemented **Cassandra** as a **NoSQL** database solution for high availability, scalability, and fault tolerance.
* Deployed applications on **AWS** cloud infrastructure, utilizing **EC2, ECS, ECR, S3**, and **RDS**, and **IAM** security groups.
* Faced compatibility issues with **Docker** containers, I utilized **Docker Compose** to define consistent environments.
* Utilized **Kubernetes** to automate the deployment and scaling of **microservices** handling many financial transactions.
* Deployed applications on **OpenShift**, leveraging containerization for scalable and portable deployment.
* Developed scalable RESTful APIs using **Node**.**js**, **Express**, and **MongoDB** for web applications.
* Integrated **Jenkins** with version control systems like **Git** to trigger automated builds based on code changes.
* Developed **RESTful** and **SOAP**-based web services **APIs** to enable communication between distributed systems.
* Worked on event-driven architectures using **Apache Kafka** messaging system.
* Optimized system performance by identifying bottlenecks through **AppDynamics** insights.
* Integrated **Python** libraries like **NumPy, Pandas, and Matplotlib** into Java applications using **Jython**.
* As a developer, I implemented **Postman** to automate and streamline the testing of **RESTful APIs,** for the functionality of critical banking services where I conducted API testing using this, **Postman**, and **Swagger** for documentation.
* Utilized **JUnit** and **Mockito** for integration testing and **SonarQube/SonarLint** best practices for coding standards.
* Leveraged **IBM WebSphere** and configured **Apache Tomcat** for deploying enterprise-grade Java web applications.

**Environment:** AGILE/SCRUM, TDD, Java 11/8, Spring, Angular 11, HTML5, CSS3, JavaScript, Bootstrap, Core Java, GraphQL, Hibernate, JQuery, Splunk, AJAX, JDBC, SQL, MongoDB, Cassandra, Node.js, AWS, Docker, Jenkins, Big Query, Git, Kibana, Apache Kafka, RESTful, SOAP, Kubernetes, JSP, Log4j, Python, Postman, JUnit, Mockito, Maven, Scala, IBM WebSphere, Apache Tomcat.

**Client: Kaiser Permanente Healthcare, Oakland, CA Duration: Nov 2021 - Nov 2023**

# Title: Java Full Stack Developer Responsibilities:

* Proficient in **Analysis**, **Design**, **Development**, **Testing**, and **Maintenance** of software systems in healthcare domain.
* Worked on **Agile/Scrum BDD** for efficient project management and delivery where proficient in utilizing **Java 11**

tools such as **javac, jshell, JDeps, JLink** and leveraging **Java 8 streams** and **lambdas** to optimize data processing.

* Developed robust healthcare management interfaces using **Angular 8**, guaranteeing secure data handling.
* Employed frameworks like **Spring Boot, MVC, Spring Data, and Spring Security**, to develop robust applications.
* Customized **Bootstrap** themes and styles to align with branding guidelines, enhancing the aesthetic appeal.
* Excelled in **Hibernate**, **JDBC**, **Spring IOC**, **Spring Annotations**, **Spring AOP**, and **Spring Batch**.
* Utilized **JPA** for seamless object-relational mapping and employed **JDBC** for direct database access.
* Implemented **Hibernate ORM** to map data models to relational databases, ensuring retrieval of patient records.
* Utilized **RESTful** Web Services to facilitate patient data exchange between healthcare systems.
* Integrated **SOAP-based Web Services** for real-time data exchange, ensuring efficient communication.
* Skilled in **JSP** along with **HTML4, CSS, and JavaScript** and familiar with **PHP** for backend development.
* Experienced in working with **OpenShift** for container orchestration and **Angular 8** for frontend development.
* Developed backend services, APIs, and **microservices** using **Scala** and related frameworks, such as **Akka**.
* Integrated **DynamoDB** streams with Lambda for real-time data processing and event-driven architecture.
* Implemented **CI/CD** pipelines for deploying **microservices** on **Kubernetes**, ensuring rapid and efficient deployment.
* Familiarity with message brokers like **Kafka**, **ActiveMQ**, and **RabbitMQ** for reliable messaging and integration.
* Proficient in full-stack log management using the **ELK stack (Elasticsearch, Logstash, Kibana**).
* In-depth knowledge of **GraphQL** query language and how it can be utilized to efficiently retrieve data.
* Proficient in **SQL** queries with experience in working with **PostgreSQL** and **Swagger** for documenting RESTful API’s.
* Implemented **Jenkins** for automating build, test, and deployment workflows for reliable software delivery pipelines.
* Proficient in **Groovy**, a dynamic and scripting language for the **Java Virtual Machine** (JVM).
* Implemented **TDD** approach to ensure code reliability and **Kubernetes** for scalable container orchestration.
* Designed, built, and deployed a multitude application utilizing all **AWS** stack (**EC2, S3, Dynamo DB, SQS and EMR**).
* Integrated **OpenStack** API with **AWS EC2** cloud-based architecture in **AWS** and to deploy **Docker** containers.
* Utilized **Docker** to containerize healthcare applications, ensuring consistency and scalability.
* Utilized **Jasmine** and **Karma** for unit testing **Angular** applications, ensuring code quality in our software.
* Proficient in **Git** within **DevOps** workflows, ensuring seamless collaboration and version control.
* Utilized application servers like **WebLogic** and **Apache Tomcat**, and version control systems like **Git** and **GitHub**.
* Utilized **Postman's** and Implemented **JUnit** and **Mockito** to simulate real-world scenarios.
* Employed **Oracle 11g** for relational database management, used **Cassandra** for distributed database management.

**Environment:** AGILE/SCRUM, Java 11,8, Angular 8, Spring, MVC, Hibernate, REST, WSDL, SOAP, XML, XSD, Bootstrap, Node.js, HTML5, CSS3, JavaScript, JSON, Oracle 11g, Maven, Junit, Mockito, Jasmine/Karma, Git, JIRA, Postman, Kafka, Jenkins, Apache Tomcat, Docker, PostgreSQL, Kibana, JPA, JDBC, Spring Security, Log4j, TDD, GraphQL, MongoDB, Cassandra, AWS (EC2, ECS, Lambda), Kubernetes, OpenShift, JSP, Scala, Swagger.

**Client: State of Maryland, MD Duration: Sep 2019 - Oct 2021**

# Title: Java Full Stack Developer Responsibilities:

* Proficient in **Requirements gathering, Analysis, Design, Development**, and **Testing** for State applications.
* Strong expertise in developing **Single Page Applications (SPA)** using **JavaScript** MVC frameworks like **React.js** and frontend technologies including **HTML5**, **CSS3**and **JavaScript**.
* Knowledgeable in **Microservices architecture** and proficient in **Spring Boot**, **Spring Batch**, and **Spring Data JPA**.
* Develop enterprise-level applications with **Core Java** and **J2EE**, ensuring robust backend functionality.
* Skilled in **Hibernate** for object-relational mapping and Proficient in **Spring MVC** for building **RESTful APIs**.
* Familiarity with **Bootstrap framework** for responsive web design and user interface development.
* Proficient in **JSP** and **Servlets** for server-side rendering and request handling.
* Experienced in working with **Apache Kafka** and setting up **Kafka** clusters for efficient message streaming.
* Proficient in using **GIT** for version control and source code management.
* Knowledgeable in **AWS** and experienced in working with services like **EC2** and **Elastic Load Balancers**.
* Integrated **S3** with other **AWS** services, such as **Lambda** or **CloudFront**, for seamless data processing.
* Familiarity with **Docker** for containerization and skilled in setting up **Jenkins** for CI/CD pipelines.
* Proficient in writing **JPA** queries and utilizing Query DSL and **GraphQL** queries for efficient data retrieval.
* Worked with **PL/SQL** for Oracle DB operations and **JBOSS** Application server for hosting Java applications.
* Proficient in **PHP**, **NodeJS**, and **React** for development and building dynamic web applications.
* Experienced in working with **JQuery**, Yemon, **npm**, and **grunt** for efficient web development and task automation.
* Experienced in working with **NoSQL** databases like **Mongo DB** for storing and retrieving statistical data.
* Proficient in performance optimization using tools like **JMeter**, **MAT** tool, and analyzing database and OS reports.

**Environment:** Java 8, NodeJS, Microservices, Spring Boot, Hibernate 3, React, AJAX, JavaScript, JQuery, CSS3, HTML5, Bootstrap, JSON, XML, XSLT, Query DSL, SQL, PL/SQL, JDBC, JMS, Web service, SOAP/REST, JAX-WS, Spring Batch, Mockito, JSP, Servlets, Gradle, Elastic Search, H2, Oracle Database, WebLogic, AWS, Kafka, Redis, Jenkins, SonarQube, Docker, Jest, Enzyme.

**Client: Citi Bank, Dallas, Texas Duration: Sep 2017 - Aug 2019**

# Title: Java Developer

#  Responsibilities:

* Developed overall new layout of the web portal and Involved in all the phases of the portal changes - analysis, design, development, testing and deployment.
* Developed user Interface using the **HTML, Bootstrap, CSS, JavaScript, and ReactJs.**
* Used spring features like **Spring IOC, Spring AOP, Spring Batch** and developed new UI features using **React.JS**.
* Implemented **ReactJS** to handle cross browser compatibility issues and used **React-Router** to turn application into Single Page Application where I used **ReactJS** components, Forms, Events, Keys, Router and Flux concept.
* Used Web services (**SOAP and RESTful**) for transmission of large blocks of XML/JSON.
* Developed crypto rest services using **NodeJS** and used **NoSQL** database **AWS dynamo DB** to store data.
* Used Amazon **Cloud Watch** to monitor AWS services and Amazon Cloud Watch logs to monitor application.
* Implemented Object-relation mapping in the persistence layer using **hibernate** (ORM) framework.
* Developed Java API to interact with the **Amazon SQS** used in sending bulk emails.
* Generated **JSON** format data packets from middle-tire controller to front-end using **JSON API.**
* Worked on spinning up **AWS EC2** instances, Creating **IAM** Users and Roles, Creating Auto Scaling groups, Load balancers and monitoring through **Cloud Watch** for the applications, **S3 buckets**, VPC etc.
* Designed the data models to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, definition of Key Business elements from **Aurora.**
* Developed Unit test cases using **JUnit**, **Mockito** and **Easy mock.**

**Environment:** Java/J2EE, Spring 3.2.5, Hibernate 4.0, Struts 2.3.3, EJB 3, Windows, RHEL 5 (deployment -JBoss), WebSphere 8, JBoss EAP 5, Bootstrap, Java Script, ReactJs, Node Js, Oracle 11g, PostgreSQL9, UML, SVN, AJAX, ExtJS 3.3, JSR 353, JNDI, JAX-WS, Ant, AWS (Dynamo DB, SQS, Cloud Watch, Lambda), Agile Scrum.

**Client: Synechron, India Duration: Aug 2013 – Mar 2016**

# Title: Java Developer

# Responsibilities:

* Familiar with designing and implementing **Java/J2EE** technologies, created design documents using **Rational Rose**.
* Used **Spring framework** with **EJB 3.0** to create services which were able to handle millions of transactions**.**
* Implemented the **MVC** architecture using **Apache Struts1.2** Framework and views using **Struts tags** and **JSTL2.0**.
* Developed Java applications using Core Java (Java SE 7), utilized **JDBC** for database interactions with **MySQL 5.5**.
* Created dynamic web applications with **Servlets 3.0** and **JSP 2.2** and managed project tasks, timelines using **Asana**.
* Utilized **RabbitMQ** for asynchronous messaging, **MySQL** for relational database management, and **PostgreSQL** for advanced data storage and retrieval in our software development projects.
* Integrated **Hibernate 4.2** for **ORM** (Object-Relational Mapping) and Implemented **RESTful** web services using

**JAX-RS** with **Jersey** and **SOAP** web services using **JAX-WS**.

* Implemented **Jenkins** continuous integration server to automate build, test, and deployment processes.
* Utilized **JUnit 4.1** for unit testing to ensure code quality and utilized **Git** for version control.
* Configured and managed **Oracle WebLogic Server** for Java EE application deployment.
* Implemented **RMI** interfaces for seamless communication and used **Java Applets** to enhance user interactivity.
* Collaborated with **UI/UX** designers to implement frontends using **HTML5**, **CSS3**, and **JavaScript**, leveraging libraries like **jQuery 1.10**.

**Environment**: J2EE, Rational Rose, Spring framework, EJB, Apache Struts, JSTL, Core Java (Java SE 7), JDBC, MySQL, Servlets,

JSP, Asana, RabbitMQ, PostgreSQL, (Spring Core, MVC), Hibernate, JAX-RS, Jersey, JAX-WS, JMS, EJB, JTA, JMX, Jenkins, JUnit, Git, RMI, Java Applets, HTML5, CSS3, JavaScript, jQuery.