**Reshmi Thumatti Jawaharlal**

Java Full Stack Developer

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*Developer with 6.6 years of experience specializing in the development of high-performance web and enterprise applications in the healthcare, insurance, and finance sectors. Expert in Java/J2EE, Spring Boot, and AWS, with a proven track record of leveraging cloud technologies and modern front-end frameworks like Angular and React to drive business solutions. Skilled in Agile and DevOps practices, proficient in building scalable architectures and optimizing CI/CD workflows to enhance deployment efficiency and ensure application reliability*

**Professional Summary:**

* Proficient in Agile Scrum methodologies, including Test Driven Development (TDD) and iterative development, enhancing collaboration, delivery speed, and product quality in the Software Development Life Cycle (SDLC).
* Developed high-quality software design and architecture, prioritizing tasks and ensuring clean, efficient, and scalable code using Java, Spring Boot, and Microservices architecture.
* Automated build, test, and deployment pipelines using Jenkins, Azure DevOps, and Terraform; integrated with Docker and Kubernetes (AKS) for container orchestration and deployment scalability.
* Implemented CIAM solutions using OAuth 2.0, OpenID Connect (OIDC), JWT, and Azure AD B2C; enforced security with Role-Based Access Control (RBAC) and Multi-Factor Authentication (MFA).
* Proficient in backend development and high-concurrency system design using Java, with experience in Spring MVC, Spring Boot, RESTful APIs, and Kafka-based asynchronous communication.
* Developed scalable features and fixed critical bugs in large distributed Java applications, optimizing system performance and reliability.
* Contributed to open-source projects, triaging issues, collaborating with global teams, and maintaining high-quality code standards.
* Worked extensively with Elasticsearch and data storage technologies like PostgreSQL and MongoDB to design high-performing solutions.
* Designed and implemented concurrency-safe algorithms to resolve performance bottlenecks in multithreaded environments.
* Led cross-functional initiatives for performance tuning and system-level enhancements in cloud-hosted applications.
* Developed SOA-based and RESTful services using J2EE, SOAP, WSDL, JAX-WS, and Apache Axis, integrating secure messaging and reusable interfaces.
* Built professional-grade UIs using Angular 4, Node.js, HTML5, CSS3, JavaScript, jQuery, and Bootstrap, enabling responsive and interactive web applications.
* Designed robust database architectures, performing complex queries and optimization with Oracle, SQL Server, MySQL, and DB2; migrated legacy relational models to NoSQL databases like MongoDB and Cassandra.
* Applied advanced ORM mapping using Hibernate/JPA, implementing HQL, Criteria API, and transaction management for persistent layers.
* Integrated Redis caching for improved performance and reduced DB load; conducted query optimization and index strategies for large data handling.
* Contributed to test automation and QA processes using JUnit, Mockito, Spring Test Runner, Selenium, and JMeter, improving reliability and reducing regression risks.
* Deployed and managed scalable, fault-tolerant applications on AWS (EC2, S3, RDS, DynamoDB, CloudFormation, IAM, CloudWatch) and Azure (App Services, Azure Functions, Azure B2C, ARM Templates).
* Configured and maintained CI/CD pipelines using Maven, Gradle, GitHub Actions, and Ant; integrated Black Duck and SonarQube for code security and static analysis.
* Experienced with monitoring and logging tools such as Grafana, Log4J, Splunk, and AppDynamics, enabling proactive incident resolution.
* Managed enterprise applications on multiple web servers including Tomcat 8, IBM WebSphere, Jetty, WebLogic, and JBoss, with expertise in server configuration and tuning.
* Worked closely with QA teams and stakeholders to perform manual, automated, functional, and performance testing, ensuring delivery of stable releases.
* Developed and deployed message-driven systems using Kafka, RabbitMQ, ActiveMQ, and JMS, ensuring scalable event-based communication.
* Used SCIM and LDAP/Active Directory for identity synchronization and user provisioning across enterprise environments.
* Actively participated in peer code reviews, knowledge-sharing sessions, and Agile retrospectives, continuously improving product delivery, code quality, and team collaboration.
* Resolved memory leaks and performance bottlenecks, leading to a 40% improvement in system stability and application response time.
* Designed and implemented distributed systems with a production-first mindset, ensuring high availability, fault tolerance, and cost-effective scalability.

**Technical skills:**

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| **Programming Languages** | Java(1.8+), SQL, PL/SQL |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, Multi-threading, Java Networking |
| **Application/Web Servers** | Apache Tomcat 8.0, IBM WebSphere 8.0, JBoss 7.x, Oracle/BEA WebLogic 12.x/10.x/9.x |
| **Web technologies** | JSP, JavaScript, jQuery, AJAX, Angular JS, XML, HTML 5, CSS 3, ReactJS, BackBone.JS 1.3.1, Node JS 6.0 |
| **Frameworks** | Spring 4.3, Spring Boot, Spring MVC, Spring Security, Hibernate ORM, Spring Batch |
| **Web Services** | SOAP 1.2, REST 2.0, JAX-WS, JAX-RPC, JAX-RS,JVM |
| **IDE** | Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS), SAP NetWeaver |
| **Cloud Environments** | Azure, AWS, Kubernetes, Docker, **OpenShift** |
| **XML Tools** | JAXB, Apache Axis |
| **Methodologies** | Agile, waterfall, TDD (Test-Driven-Development), Scrum |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing technologies/tools** | Junit, Selenium, TEST NG, Mockito, Cucumber, JMeter |
| **Relational Database** | Oracle, SQL server, MySQL , DB2, PostgreSQL |
| **NoSQL Databases** | MongoDB, Cassandra, CouchDB |
| **Version Control** | CVS, SVN, Git, Bitbucket, Perforce |
| **Build Tools** | Maven, Gradle, Ant |
| **Platforms** | Windows, Linux, UNIX |

**Education:**

* **Master of Science**, Computer Science, Southern Arkansas university, Magnolia, Arkansas

Expected Completion: July 2025

GPA: 4.0 (Current)

* **Bachelor of Engineering**, Robotics and Automation Engineering, PSG College of Technology, Coimbatore, India

June 2013 – May 2016

GPA: 3.91

* **Diploma,** Electrical and Electronics Engineering, Tamilnadu Polytechnic College, Madurai, India

June 2010 – April 2013

GPA: 3.95

**Professional Experience:**

**NTT Data Business Solutions, Bangalore, India**

**Duration: Dec 2021 to Dec 2022**

**Role: Senior Consultant (Java EE)**

**Responsibilities:**

* Developed requirements analysis, architecture, and design documentation for SAP Solution Manager, presenting the documentation for review and approval at each stage, and implemented the design with appropriate unit test cases.
* Actively engaged in requirement analysis, design, development, and testing of the entire application within an Agile framework, facilitating team-based design and code reviews.
* Addressed customer incidents and cases related to the SAP Solution Manager product, ensuring quick resolution and optimizing system performance.
* Conducted SAP system performance tuning and implemented Notes to ensure optimal performance for customers.
* Utilized a lightweight front-end framework to integrate with JSON APIs for responsive service requests.
* Implemented all functionality using Spring Boot and Hibernate ORM, and developed Java EE components using Spring MVC, IOC, transactions, and security modules.
* Constructed on-premise data pipelines using Kafka and Spark streaming, integrating data from API streaming Gateway REST service.
* Implemented a microservice architecture with Spring Boot, facilitating service interaction via REST and Apache Kafka message brokers, and managed Kafka Clusters using ZooKeeper.
* Developed the web interface using HTML5, CSS3, JavaScript, jQuery, React JS, and Bootstrap, enhancing user experience.
* Collaborated with cross-functional teams to gather and translate business requirements into technical specifications.
* Configured and developed back-end functionality using Spring MVC controllers and annotations, applying design patterns like Singleton and Session Facade.
* Utilized Hibernate ORM to interact with the database, developing POJO classes and crafting Hibernate query language (HQL) queries.
* Designed and developed REST-based Web services using the Jersey framework.
* Created applications utilizing the latest technologies in Spring, Hibernate (using annotations), REST-based Web services, and XML APIs.
* Integrated MVC components with business services using the Spring framework.
* Implemented a Data Access Layer (DAL) using Spring Data and Hibernate ORM.
* Developed data models using Hibernate POJOs and configured the Hibernate persistence layer.
* Participated in CI/CD processes using Jenkins and automated testing frameworks like JUnit and Mockito to enhance deployment and code quality.
* Led code reviews, provided constructive feedback, and mentored junior developers on software development best practices and technical issues.
* Managed version control using Perforce, ensuring high code integrity and fostering effective collaboration by overseeing all source code, configuration files, and deployment artifacts across development teams.
* Implemented robust logging and monitoring solutions with Grafana and Log4J, reducing issue resolution times by 30%.
* Optimized database queries and addressed network latency issues to improve overall application performance

**OpenText Technology, Bangalore, India**

**Duration: Jun 2021 to Nov 2021**

**Role: Software Engineer**

**Responsibilities:**

* Developed detailed requirements analysis, architecture, and design documentation for complex software projects, collaborating with cross-functional teams to review and approve each stage, ensuring alignment with client needs and project goals.
* Led the design, development, and comprehensive testing of applications, focusing on optimizing backend functionality using Spring MVC and Spring Boot, resulting in improved performance and scalability.
* Mastered the use of Spring Batch for efficient processing of large data sets, optimizing workflow management and data processing speed, which significantly reduced execution times.
* Managed both structured and unstructured data effectively using PostgreSQL for relational data and Cassandra for NoSQL solutions, enhancing data integrity and accessibility.
* Configured and maintained Grafana for robust monitoring of application performance, setting up tailored dashboards that enabled proactive troubleshooting and system optimization.
* Enhanced debugging processes and incident management by implementing advanced Log4j logging techniques, significantly reducing downtime and speeding up resolution times.
* Employed profiling tools such as VisualVM and JConsole for deep performance analysis, optimizing resource utilization and system stability, thereby enhancing overall application reliability.
* Streamlined the CI/CD pipeline by creating and managing custom Docker container images, tagging, and pushing them for deployment, which accelerated release cycles and improved deployment success rates.
* Conducted rigorous performance testing using JMeter, developing extensive test scripts and managing thread pools that simulated high-load environments to ensure robustness and scalability of API services.
* Oversaw version control with Perforce, maintaining high standards for code integrity and ensuring seamless collaboration across development teams by managing all source code, configuration files, and deployment artifacts.

**DXC Technology, Bangalore, India**

**Duration: Feb 2019 to Jun 2021**

**Role: Java / J2ee Developer**

**Responsibilities:**

* Adhered to Agile Software Development Methodology, participating actively in daily scrum meetings and sprint-related activities to iteratively develop applications.
* Designed dynamic, browser-compatible web pages using HTML5, CSS3, JavaScript, and Bootstrap.
* Developed front-end screens using Angular 4.0 and React.js, leveraging NPM and Redux for advanced state management and interactive user interfaces.
* Implemented RESTful services using Spring Boot for efficient data consumption and production.
* Handled back-end development using Spring Boot integrated with Hibernate for database operations, and Spring Core for dependency injection.
* Deployed services onto OpenShift PODS, overseeing end-to-end testing to verify application functionality.
* Managed asynchronous message handling using RabbitMQ and processed edge device messages with Apache ActiveMQ.
* Developed and maintained microservices architecture using Spring Boot, enhancing modular development and deployment.
* Managed event and recovery data effectively using MSSQL and MongoDB, creating object-to-Mongo mappings for various domain objects.
* Utilized Git and Bitbucket for version control, collaborating seamlessly with the development team.
* Deployed applications on Amazon EC2 and managed cloud environments using Spring Cloud and Kubernetes to automate deployment and scale operations efficiently.
* Implemented CI/CD pipelines using Jenkins, streamlining build automation and environmental management.
* Maintained source code integrity and updates using Bitbucket Git.
* Constructed cloud microservices and implemented backup strategies using Spring Boot.
* Integrated Microservices with Spring Boot, employing REST and Apache Kafka for robust message communication.
* Created and managed custom Docker container images facilitated image tagging and pushing for streamlined integration of Spring Boot.

**Cognizant Technology Solutions, Coimbatore, India**

**Duration: July 2016 to Jan 2019**

**Role: Programmer Analyst**

**Responsibilities:**

* Developed requirements analysis, architecture, and design documentation, ensuring collaborative review and iterative approval at each stage.
* Installed, secured, and configured AWS cloud servers, utilizing Amazon AWS virtual servers (Linux) and integrated Spring Cloud for optimized AWS operations.
* Wrote Java code using Eclipse IDE, leveraging various built-in plugins such as SVN for version control, enhancing development efficiency.
* Deployed both static websites and dynamic web applications on EC2 using AWS Elastic Beanstalk and Elastic Container Service (Docker), improving deployment workflows and service scalability.
* Designed and developed microservices business components using Spring Boot, focusing on modular, scalable application architecture.
* Managed source code repositories using Bitbucket Git, ensuring code integrity and version control across project teams.
* Created and managed custom Docker container images, handling tagging and pushing images for streamlined integration with Spring Boot environments.
* Utilized Eclipse as the primary software development platform, facilitating a unified development environment across various project stages.
* Conducted thorough testing across development, QA, and UAT environments, identifying and addressing issues to enhance application quality.
* Implemented logging mechanisms using Log4j and commons-logging frameworks to track and analyze application flow for continuous performance improvement.
* Led the design of database schema and authored complex SQL queries to enhance data retrieval and manipulation processes.
* Participated in code reviews, providing critical feedback on modules developed by peers, fostering a culture of quality and continuous improvement.
* Engaged in the process design and mapping functional requirements to workflow processes, optimizing business operations.
* Accessed and manipulated database stored procedures and functions using JDBC, ensuring robust data management and application functionality.
* Configured Spring Security within the application to safeguard method calls and RESTful web services, enhancing application security.