Sumukha S
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Online Portfolio : Detailed Resume | LMS Project Link : Library Management System

Professional Summary

Experienced Java Back-end Developer with 9.6 years of overall IT experience, including 7.9 years specializing in Java development. Expertise in building scalable applications using Java, Spring Boot, and Microservices. Proven track record of delivering mission-critical projects in banking and product-based domains. Skilled in RESTful APIs, database optimization, cloud services integration, and implementing security best practices. Adept at collaborating in agile environments, CI/CD pipeline setup, and Test-Driven Development (TDD).

Skills

- **Programming Languages:** Java, JavaScript, SQL, Embedded C
- **Frameworks:** Spring, Spring Boot, Hibernate, Seasar
- **Databases:** PostgreSQL, Oracle, SQLite, MongoDB (NoSQL)
- **Tools:** Git, JIRA, JasperReports, Kubernetes, CI/CD pipeline
- **Web Technologies:** HTML, CSS, jQuery
- **Cloud & Web Services:** AWS, RESTful APIs, REST API Security, Eureka
- **Other:** Microservices, Unit Testing, Stream API, TDD Approach.

Professional Experience

Software Engineer – PairSoft India Pvt Ltd | Jul 2024 – Aug 2024

- Developed scalable Java applications, enhancing system performance and interoperability using Java 8 and Spring Boot.
- Improved invoice processing efficiency by 20% through automation.
- Integrated Restful APIs to enhance system interoperability.

Software Engineer – Groony India Pvt Ltd | Oct 2021 – May 2024

- Designed and implemented scalable Java applications for high-traffic environments.
- Led a team of 5 developers as a Sub-Leader, improving project delivery times by 15%.
- Enhanced system performance by optimizing database queries and Java code.
- Implemented Microservices architecture with Spring Boot, Kubernetes, and Eureka for scalability.
- Deployed and monitored applications on AWS, ensuring high availability and security.
- Established CI/CD pipelines for seamless software delivery and deployment.
- Applied TDD approach to improve code quality and reduce production bugs.

Software Developer – Muscle Info Technologies Pvt Ltd | Sep 2016 – Sep 2021

- Delivered offline and online banking solutions for cooperative societies using Java Swing.
- Improved reporting accuracy by 30% using JasperReports for customized reports.

- ➢ Streamlined application deployment using Spring Boot, RESTful APIs, and security best practices.
- ➢ Implemented Microservices architecture with Spring Boot and API Gateway.
- ➢ Developed and managed a robust CI/CD pipeline for continuous integration and deployment.
- ➢ Optimized database performance using PostgreSQL and MongoDB for better efficiency.

Technical Staff – Manipal Dot Net Pvt Ltd | January 2016 – June 2016
- ➢ Contributed to IoT product development, intergrating advanced haradware technologies.
- ➢ Worked with Embedded C, ZigBee, and Bluetooth technologies for hardware integration.

Embedded Programmer – Maiya's Web Solutions & Co | Sep 2014 – Dec 2015
- ➢ Created real-Time automation solutions, enhancing device control and client satisfaction.
- ➢ Implemented device control systems using mobile phones and sensor technologies.

Projects

Project Title: AP Invoice Automation
- ➢ Developed and maintained efficient Java applications for critical business operations.
- ➢ Implemented Java EE solutions for automated invoice management and processing.
- ➢ Ensured application reliability, performance, and ongoing enhancements.

Project Title: POWER-K

- ➢ Designed and maintained high-performance Java applications for critical systems.
- ➢ Ensured system reliability, scalability, and optimal performance.
- ➢ Contributed to all stages of the development lifecycle, from planning to deployment.
- ➢ Wrote clean, efficient, and testable code following the **TDD** approach.
- ➢ Implemented **Microservices** architecture using **Spring Boot** and **Kubernetes**.
- ➢ Established **CI/CD** pipelines for automated build and deployment.

Project Title: E-Bank Software

- ➢ Developed a **comprehensive digital banking solution** with integrated **custom reporting tools** using **JasperReports**.
- ➢ Designed and optimized **relational database schemas** in **PostgreSQL** to improve transaction speed and data consistency.
- ➢ Implemented **secure API integrations** for banking transactions with **OAuth2-based authentication and JWT token security**.
- ➢ Developed **multi-user role-based access control (RBAC)** for customers, admins, and financial officers.
- ➢ Enhanced **transaction logging and monitoring** to detect fraudulent activities using **audit trails and logging frameworks**.

- ➢ Enabled **bulk transaction processing** for high-volume banking operations.
- ➢ Integrated **RESTful APIs** for seamless communication between banking services and third-party financial systems.
- ➢ Applied **encryption standards (AES, SHA-256)** for storing sensitive user data.
- ➢ Designed a **fail-safe mechanism** for transaction rollbacks in case of failures.
- ➢ Built a **notification system** using **email/SMS alerts** for transaction confirmations and security alerts.

Project Title: WYZBEE Module
- ➢ Developed IoT solutions leveraging Embedded C with ZigBee and Bluetooth integration.
- ➢ Enhanced IoT device functionality for various client requirements.

Project Title: Library Management System(LMS)
- ➢ Built a complete library management system using **Java, Spring Boot, PostgreSQL, and RESTful APIs**.
- ➢ Developed core functionalities for **book issuing, returning, searching, and user authentication**.
- ➢ Designed a **secure role-based authentication and authorization** system.
- ➢ Created RESTful APIs for **book management and user interactions**.
- ➢ Used **JSP for frontend** and integrated it with Spring Boot backend.
- ➢ Managed database operations efficiently with **Spring Data JPA and PostgreSQL**.
- ➢ Implemented **basic exception handling and logging** for better system reliability.

Achievements
- ➢ Recognized as Sub-Leader in Groony India for exceptional team management.
- ➢ Improved system API efficiency by 15% in Groony's financial platform.
- ➢ Successfully implemented CI/CD pipeline in multiple projects, reducing deployment time by 40%.

Certifications
- ➢ Java Training – Inventateq Info Solution, Bangalore.
- ➢ Diploma in Embedded Systems – AECTL, Bangalore.

Education
- ➢ **Bachelor of Engineering(BE)** in Medical Electronics**,** SKIT Engineering College, Bangalore, 2013.
- ➢ **Diploma in Electronics and Communications(EC),** PAPT Engineering College, Mangalore, 2009.