

## Sumukha S

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Online Portfolio : [Detailed Resume](#) | LMS Project Link : [Library Management System](#)

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## Professional Summary

Java Back-End Developer with 9.6 years of IT experience, including 7.9 years in Java development. Specialized in building scalable, secure, and high-performance applications using Spring Boot and Microservices. Proven expertise in RESTful APIs, database optimization, AWS deployment, and CI/CD pipelines. Recently built a Spring Boot-based Library Management System during a career break, showcasing initiative and continuous learning. Available immediately for remote, hybrid/full-time opportunities.

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## Skills

- **Languages:** Java, JavaScript, SQL, Embedded C
- **Frameworks:** Spring, Spring Boot, Hibernate, Seasar
- **Databases:** PostgreSQL, Oracle, SQLite, MongoDB (NoSQL)
- **Web & APIs:** RESTful APIs, HTML, CSS, jQuery, JSP
- **Cloud & DevOps:** AWS, Kubernetes, Eureka, CI/CD pipelines, Git, JIRA, Maven
- **Tools & Reporting:** JasperReports
- **Testing & Methodologies:** Unit Testing, TDD, Stream API
- **Other:** Microservices Architecture, API Security, OAuth2

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## Professional Experience

### Career Break - Sep 2024 – Present

Took a planned career break to care for an immediate family member. During this period, stayed technically active by independently building a Spring Boot-based Library Management System and continuing hands-on learning with REST API, JPA, and PostgreSQL. Now available immediately for remote, hybrid - full-time opportunities.

### 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, integrating advanced hardware 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.

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## **Projects**

### **Project Title:** Library Management System(LMS) – Developed during career break (Sep 2024 – Present)

- Built a complete library management system using **Java, Spring Boot, PostgreSQL, and Restful API s**.
- 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 front-end** and integrated it with Spring Boot back-end.
- Managed database operations efficiently with **Spring Data JPA and PostgreSQL**.
- Implemented **basic exception handling and logging** for better system reliability.

### **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 life-cycle, from planning to deployment.
- Wrote clean, efficient, and testable code following the **TDD** approach.
- Implemented Micro services 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 Jasper-reports.
- Designed and optimized **relational database schemas** in **PostgreSQL** to improve transaction speed and data consistency.
- Implemented **secure API integration's** 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 API s** 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.

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### Achievements

- Mentored junior developers, leading to 100% on-time delivery for 3 key projects.
- Reduced deployment errors by 30% through automated testing scripts.

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### Certifications

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

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### Education

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