

Surya Pandiaraj

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SUMMARY

- **Java Spring Boot Developer** with over **3 years** of experience in designing, developing, and deploying robust web applications. Proficient in **data structures**, **OOPs principles**, and a wide range of software development tools. Skilled in building scalable and user-centric backend systems with a focus on **microservices** architecture. Adept at **Agile methodologies**, continuous integration, and test-driven development.

EXPERIENCE

Systems Engineer

April 2022 – Present

Infosys Limited

Chennai, TN

- Built a critical online module for validating continuous big data flow using a consumption engine, tested it with production data, and deployed it on **Microsoft Azure** for real-time usage resulting in 30% improvement in system performance.
- Designed and developed microservices and core user interacting modules. Optimized database queries and implemented caching mechanisms, improving application performance by 15%.
- Conducted **code reviews** and **unit testing** for existing applications ensuring code quality and maintainability, and increasing code coverage to 90%.
- Employed Agile methodologies to manage project timelines and deliverables. Collaborated with cross-functional teams to gather requirements and deliver **high-quality solutions**.

PROJECTS

Asset Management – *Java, Spring Boot, React, Couchbase, Docker*

- Engineered critical microservices for creation, validation and maintenance of asset data using **Java Spring Boot** ensuring robust and scalable architecture. Created a responsive front-end using **React**.
- Utilized **Couchbase** for efficient data storage and retrieval, enabling real-time updates using **optimized queries** resulting in a 30% reduction in response time. Integrated **SonarQube** and **Snyk** for continuous code quality and security analysis, adhering to best coding practices.
- Conducted code reviews using **Azure DevOps** and performed unit testing with **JUnit** to ensure code quality, minimize defects, and increase code coverage to 90%. Followed the **Software Development Life Cycle (SDLC)** to manage project phases from requirements gathering to deployment.
- Employed Agile methodology, conducting daily stand-ups and sprint planning to ensure timely delivery of project milestones. Implemented **CI/CD pipeline** using Azure DevOps, automating build, test, and deployment process.

Ariba API Tool – *Java, Spring Boot, JavaScript, HTML/CSS*

- Independently designed **RESTful APIs** using **Java Spring Boot** to facilitate seamless data retrieval and interaction with the Ariba portal. Enhanced user experience by optimizing the web interface with **JavaScript**.
- Resolved complex **CORS issues** by implementing CORS Configuration at the backend. Implemented **JWT** for secure authentication and authorization of users ensuring compliance with **security protocols**. Performed thorough **testing and troubleshooting** in parallel with development, achieving 100% project completion within 3 months.
- Securely stored user details and actions in a **MySQL database** ensuring efficient logging and retrieval for audit and compliance purposes. Integrated with Ariba APIs to provide users with real-time access to their organization's data.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks: Spring Boot, React, JUnit, Flask, FastAPI

Databases: MySQL, PostgreSQL, Couchbase

Developer Tools: Git, IntelliJ, Postman, DBeaver, SonarQube, Snyk

Cloud, DevOps & AI: Docker, Kubernetes, Azure DevOps, Generative AI (GPT, Gemini), CI/CD

Soft skills: Problem-Solving, Adaptability, Collaboration & Team Work, Communication

EDUCATION

Velammal College of Engineering and Technology

Bachelor of Engineering in Computer Science

Madurai, TN

August 2016 – May 2020