

JAYA SASAPU

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SUMMARY

- Accomplished **Java Full Stack Developer** with **4+ years** of experience architecting, developing, and deploying scalable enterprise-grade applications.
- Expertise in **Java 8/11/17, Spring Boot, .NET Core**, and **React**, with a proven track record of driving performance improvements and system scalability.
- Skilled in designing robust **microservices architectures** and delivering secure, maintainable **REST APIs** handling high-volume transactions **50K+ daily**.
- Proficient in **cloud-native development** with **AWS (EC2, S3, Lambda, Elastic Beanstalk)**, enhancing system uptime and deployment automation.
- Passionate about implementing **DevOps pipelines (CI/CD)**, containerization (**Docker, Kubernetes**), and **Agile** best practices to accelerate delivery velocity and reliability.
- Strong team collaborator, mentor, and communicator committed to delivering **clean, efficient, test-driven**, and **performance-optimized code** in cross-functional environments.

SKILLS

Languages: Java (8/11/17), C# (.NET Core), JavaScript, TypeScript, SQL, Kotlin

Backend: Spring Boot, RESTful Microservices, .NET Core, Spring MVC, Security (OAuth2, JWT)

Frontend: React (Hooks, Redux, TypeScript), HTML5, CSS3, Bootstrap, RxJS, Webpack, ESLint, Jest, React Testing Library

Databases: MySQL, PostgreSQL, MongoDB, Redis, Oracle SQL

Cloud & DevOps: AWS (EC2, S3, Lambda, Elastic Beanstalk), Docker, Kubernetes, Jenkins, GitHub Actions, Git

Testing & Automation: JUnit, Mockito, Selenium, Postman, Swagger, Cypress, Jest, React Testing Library

Agile & Collaboration: Scrum, Kanban, CI/CD, TDD, BDD, JIRA, Pair Programming

EXPERIENCE

Java Full Stack Developer | *Morgan Stanley* | Remote

Jan 2025 – Present

- Led the end-to-end migration of 12+ legacy monolithic applications to scalable **microservices architecture**, improving **deployment agility** by 30% and **system reliability**.
- Architected and implemented high-performance **REST APIs** processing **50K+ daily requests**, utilizing **Spring Boot** with **JWT-based authentication** and centralized **ELK stack** monitoring.
- Engineered **frontend modernization** using **React (Hooks, Redux, TypeScript)**, improving **UI responsiveness** and **modularity**, reducing frontend load times by 20%.
- Improved frontend code quality and maintainability by introducing **ESLint** and **Prettier** for code consistency and implementing **Jest** and **Cypress** for component and end-to-end testing, increasing **test coverage** by 35%.
- Optimized frontend **bundle size** using **Webpack** configuration tweaks and **lazy loading**, leading to faster initial load times and improved user experience.
- Spearheaded **Redis caching** strategy, reducing backend data retrieval latency by 40% and supporting **high-throughput** data access for critical workflows.
- Developed automated, containerized **CI/CD pipelines** leveraging **Jenkins, GitHub Actions**, and **Docker**, reducing deployment errors by 15% and shortening **release cycles**.
- Collaborated in an **Agile scrum team** of 10, actively participating in **sprint planning, code reviews, backlog grooming**, and **pair programming** to enhance code quality and team velocity.
- Designed and maintained **.NET Core microservices** interoperating with **Java services**, enabling **cross-platform scalability** and seamless integration across enterprise systems.
- Implemented **role-based access control** and **security compliance** aligned with corporate policies, reducing vulnerability exposure.

- Delivered **full-stack, cloud-enabled solutions** for automotive telematics and diagnostics using **React** and **Spring Boot** with **.NET Core microservices**.
- Developed and optimized dynamic, interactive **dashboards** using **React** and **RxJS**, resulting in a 20% increase in **customer engagement** and improved real-time **analytics** accuracy.
- Led **frontend performance optimization** by implementing **React performance best practices**, improving **UI rendering speed** by 25%.
- Improved frontend maintainability by **modularizing React components** and creating **reusable libraries**, facilitating easier feature additions and reducing bugs.
- Enhanced **backend database performance** by optimizing complex **SQL queries** and integrating **Redis caching**, leading to a 40% improvement in **response times**.
- Led **deployment and infrastructure management** of production applications on **AWS (EC2, S3, Elastic Beanstalk)**, ensuring **99.9% uptime** and seamless scaling.
- Mentored a team of 5+ junior developers, instituted **code quality standards**, and implemented **automated testing** with **JUnit** and **Mockito**, reducing defects by 20%.
- Coordinated with cross-functional **QA and DevOps teams** to rapidly troubleshoot and resolve **production incidents**, cutting mean time to resolution by 25%.
- Architected and maintained **PostgreSQL schemas** with optimized indexing strategies to support **high-volume automotive data ingestion** and reporting.

EDUCATION

M.S. in Computer Science | Missouri University of Science and Technology – Rolla, MO

May 2025

B.Tech in Electronics and Communication Engineering | SRKR Engineering College – India

Aug 2020

CERTIFICATIONS & COURSES

- **AWS Job Simulation Certificate** – Forage, 2024
- **Multi-Cloud, DevOps & AI Challenge** – Jean Rodrigues, 2023
- **HackerRank – Problem Solving Certification**, 2023
- **HackerRank – Python Certification**, 2023