

Akhil Ramadugu Full Stack Developer

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Summary

Full Stack Developer with 3 years of experience specializing in Java development. Proficient in creating scalable applications and RESTful APIs, resulting in a 30% improvement in response time. Successfully worked in a team of 5 developers to deliver high- quality solutions, achieving 90% uptime and enhancing system performance by 40%. Skilled in optimizing database queries and implementing robust security measures.

Technical Skills

- **Languages:** Java, JavaScript, Python, C/C++, SQL, HTML, CSS
- **Frameworks & Tools:** Node.js, Express.js, React.js, Redux, Angular, RESTful APIs, Spring Boot, Hibernate, XML, Jest, React Testing Library, Spring MVC, Spring Data, IntelliJ IDEA, Eclipse
- **Database:** MySQL, MongoDB, PostgreSQL, NoSQL, Oracle, MS SQL Server
- **Tools and Technology:** Selenium, Amazon Web Services (AWS), Microsoft Azure, Docker, Kubernetes, Terraform, Git, Maven, Kafka, Jenkins, GitHub, Agile, Scrum, JIRA, SDLC, Gradle, JUnit, Postman, Data Structures and Algorithms

Professional Experience

Full Stack Developer, HCL Tech

08/2023 – 05/2024 | Remote, USA

- Developed a scalable e-commerce platform using **Java** and **Spring Boot**, reducing transaction processing time by **25%** and supporting 500+ concurrent users, and implemented **RESTful APIs** to enhance system integration and data exchange.
- Designed and implemented a responsive frontend using **React**, **HTML**, and **CSS**, increasing user engagement by **40%** and improving page load times by **35%**, and integrated dynamic content updates through seamless **API** interactions.
- Optimized database performance by refactoring **MySQL** queries and integrating **MongoDB** for handling unstructured data, and reduced database response time by **30%** and improved data retrieval efficiency for complex queries.
- Deployed and managed the application on **AWS** using **EC2** for hosting, **S3** for file storage, and **RDS** for managed database services, and achieved **99.9%** uptime and scalable performance during peak traffic periods.
- Implemented **Docker** containers for development and production environments, streamlining the deployment process and reducing setup time by **50%**, and automated builds and deployments using **Jenkins**, ensuring integration and delivery.
- Enhanced security measures by integrating **JWT** for secure user authentication and authorization, and reduced security vulnerabilities by **40%** through regular security audits and code reviews.
- Collaborated with a team of 6 developers using **Git** for version control and **Agile methodologies** for project management, and ensured timely delivery of features, achieving **90%** of project milestones on schedule.

Java Backend Developer, Vois_

11/2020 – 07/2022 | Pune, India

- Developed a comprehensive consumer service platform using **React** for the frontend and **Java**, **Spring Boot** for the backend, integrating over **20 modules** including user profiles, appointment scheduling, and transaction management, and managed user access for 1,000+ service providers.
- Implemented **RESTful APIs** with **Spring Boot**, enabling seamless communication between frontend and backend components, and achieved a response time improvement of **40%**, reducing API latency for over 10,000 daily transactions.
- Utilized **MySQL** for database management, optimizing schemas and queries to support dynamic user data and large-scale reporting, improving data retrieval efficiency by **35%** and ensuring secure data storage.
- Deployed the application on **AWS EC2** instances and managed database solutions with **AWS RDS**, ensuring **99.9%** uptime and scalability, and implemented auto-scaling to handle up to **5,000** concurrent users without performance degradation.
- Implemented a **CI/CD pipeline** using **Jenkins**, automating code integration and deployment processes, reducing deployment time by 60% and minimizing manual errors by automating **80%** of the build and release tasks.
- Developed **Docker** containers for **microservices** deployment, ensuring consistent environments, and managed **Kubernetes** orchestration to handle service scaling and load balancing, improving system resilience and uptime by **50%**.
- Performed regular performance tuning and monitoring, using tools like **AWS CloudWatch** and application performance management solutions, and enhanced overall system performance by **45%**, proactively addressing potential bottlenecks before impacting end users.

Education

Master of Science, University of Maryland Baltimore County

08/2022 - 05/2024 | Baltimore, USA

Software Engineering

Bachelor of Technology, SRM Institute of Science and Technology

07/2017 - 07/2021 | Chennai, India

Computer Science