Vamshi Krishna Ratna

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PROFESSIONAL SUMMARY

Full Stack Software Developer with 3+ years of experience designing, developing, and deploying scalable web applications across frontend, backend, and cloud environments. Strong hands-on experience building responsive user interfaces with React and Angular, backed by secure, high-performance APIs using Java, Spring Boot, and Node.js. Proven ability to optimize UI performance, streamline frontend-backend integrations, and improve system reliability in production-grade, Agile environments. Experienced in deploying containerized applications on AWS using Docker and Kubernetes, with solid CI/CD and testing practices.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Java, Python, SQL
Frontend: React.js, Redux, Angular (11-15+), HTML5, CSS3, Tailwind CSS, Bootstrap, Web Accessibility (WCAG)
Backend: Spring Boot, Node.js, Express.js, REST APIs, GraphQL, Spring Security, JWT Authentication
Cloud & DevOps: AWS (EC2, EKS, S3, Lambda), Docker, Kubernetes, CI/CD Pipelines
Databases: PostgreSQL, MongoDB, MySQL, Redis
Testing & Tools: Jest, Cypress, Postman, Chrome DevTools, Git, Jenkins, GitHub Actions

PROFESSIONAL EXPERIENCE

Full Stack Developer | Alliant Group | Houston, TX   **Oct 2024 – Present**
- Designed and developed data-driven web dashboards to support fraud detection workflows by building responsive UIs using React, Angular 15+, HTML, CSS, and JavaScript, enabling real-time analytics for internal users.
- Built reusable and modular frontend components using React, Redux, Angular, and NgRx, improving rendering efficiency and reducing UI defects, resulting in a 35% performance improvement.
- Integrated frontend applications with REST and GraphQL APIs developed using Spring Boot and Node.js, optimizing API consumption patterns and improving data retrieval efficiency by 30%.
- Optimized frontend performance by profiling applications with Chrome DevTools, resolving memory leaks, repaint issues, and long-running tasks to enhance overall page responsiveness.
- Deployed and supported full-stack applications on AWS EKS using Docker and Kubernetes, contributing to scalable, fault-tolerant production deployments.
- Implemented responsive and accessibility-compliant UI patterns following WCAG guidelines to ensure consistent experience across browsers and devices.

Full Stack Developer | Purpose Financial | Greenville, SC   **Feb 2024 – Sep 2024**
- Developed and enhanced consumer-facing web applications using Angular 11+, React, JavaScript, HTML, and CSS, delivering performant and accessible user experiences.
- Refactored legacy UI workflows into modern component-based architectures, implementing lazy loading and optimized rendering strategies that reduced page load times by 35%.
- Integrated frontend applications with Spring Boot and Node.js REST APIs, ensuring secure, reliable data exchange between client and server layers.
- Implemented real-time UI updates by consuming Kafka-backed backend services, improving alert visibility and reducing user response time.
- Automated build, test, and deployment workflows using GitHub Actions and Jenkins, integrating Jest and Cypress to achieve 99% CI/CD reliability.
- Supported production releases by troubleshooting UI and API issues, improving application stability and user satisfaction.

Software Developer | HSBC | India   **Feb 2021 – Dec 2022**
- Developed user-facing web interfaces using HTML, CSS, and JavaScript, integrating them with Java-based backend APIs to support enterprise banking workflows.
- Optimized UI-to-API interactions by improving request handling and response processing, reducing overall response latency by 40%.
- Built and secured backend services using Java, Spring Boot, and Spring Security, supporting scalable and secure API consumption by frontend applications.
- Collaborated with cross-functional teams to deliver features for large-scale, cloud-deployed systems running on AWS and Kubernetes.
- Supported production deployments by diagnosing and resolving UI and backend issues using browser tools, application logs, and backend diagnostics.

EDUCATION

Master of Science in Computer Science - SUNY Polytechnic Institute, Utica, NY
Bachelor of Technology in Computer Science - Sreenidhi Institute of Science and Technology, India