

Vamshi Ratna

Irving, TX | 469-708-9711 | rvamshi3156@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience building **end-to-end web applications** using **Java, Spring Boot, Angular, React, Node.js, and AWS**. Skilled in designing scalable microservices architectures, developing modern UI components, optimizing API integrations, and delivering cloud-native deployments. Strong in **TypeScript, REST/GraphQL, CI/CD automation, and secure full-stack development (OAuth2, JWT, RBAC)**. Experienced working across **frontend, backend, databases, and DevOps pipelines**, delivering high-performance applications in Agile teams.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, SQL, Python

Backend: Spring Boot, Spring Cloud, Microservices, Node.js, Express.js, REST, GraphQL, Hibernate, JAX-RS

Frontend: Angular 11+/15+, React.js, Redux, NgRx, HTML5, CSS3, Tailwind CSS, Bootstrap

Cloud & DevOps: AWS (EC2, EKS, Lambda, S3), Kubernetes, Docker, Terraform, Jenkins, GitHub Actions

Databases & Messaging: PostgreSQL, MongoDB, MySQL, Redis, Kafka, Elasticsearch, RabbitMQ

Testing & Monitoring: JUnit, Mockito, Cypress, Jest, Postman, Prometheus, Grafana, Dynatrace, SonarQube

Tools: Git, Maven, Gradle, API Gateways, CI/CD Pipelines

PROFESSIONAL EXPERIENCE

Full Stack Developer | Alliant Group | Houston, TX

Oct 2024 – Present

- Built full-stack fraud detection features using **Java, Spring Boot, Angular 15+, React, Node.js**, delivering scalable microservices while developing responsive UI dashboards for real-time analytics.
- Developed rich frontend components with **Angular 15+, React, NgRx/Redux**, improving client-side rendering performance by **35%** and enabling seamless data visualization.
- Designed and integrated REST/GraphQL APIs to support full-stack features, improving front-end–back-end communication throughput by **30%**.
- Deployed and maintained cloud infrastructure on **AWS EKS**, using **Kubernetes, Docker, Terraform** to support both back-end services and UI builds.
- Implemented end-to-end security across the stack using **Spring Security, OAuth2, JWT**, ensuring compliant, secure data flow between front-end and back-end.

Environment: Java, Spring Boot, Node.js, Angular 15+, React.js, TypeScript, NgRx, Redux, REST, GraphQL, PostgreSQL, MongoDB, AWS (EKS, EC2, Lambda, S3), Kubernetes, Docker, Terraform, Jenkins, GitHub Actions, Prometheus, Grafana, Dynatrace

Full Stack Developer | Purpose Financial | Remote

Feb 2024 – Sep 2024

- Migrated a legacy platform into **Spring Boot + Node.js microservices**, enabling modular full-stack architecture and reducing system latency by **40%**.
- Developed full-stack features using **Angular 11+, React, TypeScript**, and built reusable UI components with lazy loading to improve page load speed by **35%**.
- Built real-time fraud alerting interfaces and back-end services using **Kafka, Elasticsearch, Node.js**, improving alert accuracy and responsiveness.
- Automated the full CI/CD lifecycle for both front-end and back-end using **Jenkins, GitHub Actions, Cypress, Jest**, achieving **99% pipeline stability**.

Environment: Java, Spring Boot, Node.js (Express), Angular 11+, React.js, TypeScript, REST APIs, Kafka, Elasticsearch, PostgreSQL, AWS (EC2, EKS, Lambda, S3), Cypress, Jest, OAuth2, GitHub Actions, Jenkins, Microservices Architecture

Software Developer | HSBC | India

Feb 2021 – Dec 2022

- Developed front-end pages in **HTML/CSS/JavaScript** and integrated them with back-end APIs built in **Spring Boot, Struts, Hibernate**, improving end-user workflows.
- Built and secured back-end services with **Spring Security** and integrated **AES + HSM** encryption for secure payment processing.
- Improved REST API response times by **40%** through back-end optimization and efficient UI–back-end data flow.
- Deployed full-stack containers on **AWS + Kubernetes**, enabling reliable, zero-downtime application updates.

Environment: Java, Spring Boot, Struts, Hibernate, HTML, CSS, JavaScript, PostgreSQL, SQL, Redis, AWS, Kubernetes, Docker, Spring Security, OAuth2, AES Encryption, HSM, REST APIs, Jenkins, CI/CD Pipelines

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