POOJITH KUMAR REDDY MADDURU

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Summary

Full Stack Java Developer with 3+ years of experience and a Master's in Computer Science, building secure, scalable enterprise applications across healthcare and fintech domains. Proficient in Java 11, Spring Boot, Spring Security, and React.js/Angular.js, with deep expertise in HL7 FHIR R4, SMART on FHIR, HIPAA compliance, and CMS Interoperability standards. Proven ability to deliver cloud-native microservices on AWS using Docker, Kubernetes, and CI/CD pipelines in Agile environments.

Skills

Programming Languages: Java 11, JavaScript, Python, (ES6+), SQL
Backend Frameworks Libraries: Spring Boot, Spring MVC, Spring Security, Spring Cloud Gateway, Spring AOP, Hibernate, JPA, HAPI FHIR JPA Server
Frontend Technologies: Angular.JS, React.JS, Redux, Tailwind CSS, Bootstrap, HTML5, CSS3
Healthcare Interoperability Standards: HL7 FHIR R4, SMART on FHIR, CDS Hooks, Da Vinci PDex, CARIN Blue Button, CMS Interoperability Rule, HIPAA Compliance, HEDIS
Authentication Security: OAuth2, JWT, Keycloak, RBAC, AES-256 Encryption, OWASP
Cloud DevOps: AWS (EC2, S3, RDS, EKS), Docker, Kubernetes(Openshift), Jenkins, CI/CD Pipelines
Databases: MySQL, PostgreSQL, Redis
API Integration: RESTful APIs, FHIR Bulk Data Export (NDJSON)
Testing: JUnit, Mockito, Postman, UIPath
Tools Methodology: Git, GitHub, Maven, JIRA, Agile, ServiceNow, Dynatrace, Microservices Architecture

Experience

Full Stack Java Developer(ITS 2)
March 2025 - Present

New York State Information Technology Services | *Java, Spring Boot, Rest APIs, AngularJS, JavaScript, Gitlab*

- Developed and deployed an enterprise-grade **System Status Dashboard** using **Java**, **Spring Boot**, and **Angular**, exposing secure **RESTful APIs** for real-time service health, QA/Production monitoring, and scheduled maintenance visibility; implemented layered architecture (**Controller–Service–Repository**) with centralized exception handling and response standardization.
- Engineered **Spring Boot REST APIs** with input validation, global error handling, and DTO mapping; integrated external monitoring systems (e.g., **Dynatrace APIs**) and normalized response payloads to support dynamic UI rendering, reducing manual health checks by **50%** and improving operational response efficiency. Built a responsive **Angular SPA** leveraging **RxJS**, **HTTP Interceptors**, environment-based API configuration, and modular architecture; implemented production-grade routing, dynamic data binding, and error-state handling to ensure seamless UI rendering across environments.

Full Stack Java Developer
April 2022 – June 2023

Intelliza | *Java, Springtools, JavaScript, ReactJS, Node.JS, Express, MongoDB, AWS(EC2)*

- ∗ Developed and deployed a multi-tenant full-stack application with secure **OTP-based authentication**, email verification, **JWT authentication, and cookie session expiration** handling to enhance system security and user trust. Built and consumed REST APIs for dynamic modules, **achieving 175ms p50 and 200ms p95 response times and a 50% reduction** in response times through optimized asynchronous Node.js back-end logic and load balancing strategies.
- ∗ Designed **responsive front-end with React**, utilizing pagination and dynamic rendering, improving UX and page load speeds by 30%. Engineered CI/CD workflows for microservices using Docker, Jenkins, and Kubernetes, increasing deployment efficiency by 20%.
- ∗ Implemented **OAuth, role-based access control (RBAC)**, and **authentication mechanisms** to support more than 500+ concurrent users securely. Followed **Agile methodologies**, wrote unit/integration tests, and maintained test coverage using Jest and Supertest, reducing production bugs by 35%.

Associate Product Developer
June 2021 – March 2022

Verzeo | *TypeScript, Angular.JS, Node.JS, Express, MongoDB, AWS (EC2), Tableau, Power BI*

- ∗ Built **full-stack web applications** using React.js, Node.js, and MongoDB, with a focus on high-performance, scalability, and structured **state management using useState, useReducer, and Context API.**
- ∗ Developed **RESTful APIs** and integrated them with the frontend using **useEffect hooks** for **real-time data fetching, caching, and synchronization, improving app responsiveness by 90%.** Optimized API performance through middleware, **async/await patterns**, and error handling, reducing response time by 75%.

Education

University at Albany, SUNY   **Albany, NewYork, USA**
Master's in Computer Science   *Aug 2023 - May 2025*