

Gandhivaram Nithish Kumar Reddy

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Professional Summary

Full Stack Developer with **1.3 years** of experience in designing, developing, and optimizing scalable web applications. Proficient in **Java, Spring Boot, React.js, Node.js, MongoDB, AWS**. Strong expertise in **Microservices, RESTful APIs, Authentication & Authorization (JWT/OAuth)**, caching strategies, and CI/CD automation. Passionate about cloud-native development and system optimization.

Education

SASTRA University

B.Tech in Electrical and Electronics Engineering

2019 – 2023 | CGPA: **8.33/10**

Core Technical Skills

- **Programming Languages:** Java, JavaScript, TypeScript
- **Frontend Technologies:** React.js, Redux, HTML, CSS, Tailwind CSS
- **Backend Technologies:** Spring Boot, Node.js, Express.js, REST API Development
- **Databases:** MongoDB, Cassandra, PostgreSQL, SQL
- **Cloud & DevOps:** AWS (Lambda, S3, EC2, DynamoDB), Docker, Kubernetes, Git, CI/CD Pipelines
- **Security & Authentication:** JWT, OAuth, API Gateway Policies, OWASP Security Best Practices
- **Testing & Automation:** Jest, Selenium, JUnit, Postman API Testing

Certifications

AWS Cloud Practitioner (Valid till Jun 2026)

Experience

Software Engineer – Full Stack Developer | Incedo Technology Solutions Limited

Jan 2024 – Present | Client: Verizon (Telecom Domain)

- Developed and optimized APIs in the **NSP - Check Network Status** project, enhancing real-time network diagnostics for NRB engineers.
- **Optimized UI rendering** and resolved API failures, improving load time by **20%**.
- Increased test coverage from **60% to 90%**, ensuring software stability and reducing production defects.
- Designed and integrated a real-time **Outage Map** using **React.js, Leaflet.js, and REST APIs**, enhancing network monitoring.
- Implemented **dynamic filtering in the resolved outages tab**, streamlining data retrieval and classification.
- Developed a filtering system for the **Outage Map**, allowing classification of **planned and unplanned outages** with start and end date selection.
- Standardized **error handling mechanisms**, improving diagnostic efficiency and system stability.
- Engineered an **outage classification logic in Node.js and MongoDB**, ensuring precise categorization of network issues.
- Built a **reset map functionality**, enabling seamless navigation and user experience improvements.
- Strengthened API security by integrating **42 Crunch**, ensuring compliance with security policies.
- Collaborated with cross-functional teams to optimize **system architecture**, reducing detection and resolution time by **35%**.

Key Achievements

- **Optimized API Performance:** Reduced API response time by **50%** through Redis caching, indexing, and query optimization.
- **Real-time Monitoring System:** Designed a WebSocket-based Outage Monitoring System for proactive issue detection and resolution.
- **Security Enhancements:** Implemented **JWT authentication, OAuth, API rate limiting, and role-based access control** to strengthen API security.
- **CI/CD & Automation:** Automated deployments with **Docker, Kubernetes, and CI/CD pipelines**, reducing rollout time by **40%**.
- **KUBARENA Search & Discovery:** Built an intelligent **AI-powered search and recommendation system** for investor-startup matchmaking.

Projects

KUBARENA - Startup Platform | *Personal Project*

- Developed a **full-stack platform** connecting entrepreneurs and investors, streamlining startup funding processes.
- Engineered a **Spring Boot and MongoDB backend**, optimizing data flow, scalability, and real-time performance.
- Integrated real-time notifications via **Redis Pub/Sub**, ensuring seamless investor-startup communication.
- Implemented **secure authentication** with JWT and OAuth for access control and user role management.

Hackathon Registration Portal | *Feb 2024 – Apr 2024*

- Designed a **scalable full-stack Hackathon Registration Portal** with **OTP-based authentication and two-factor security verification**.
- Developed an interactive **judges panel** for automated project evaluation, streamlining scoring workflows.
- Built robust backend services using **Spring Boot and PostgreSQL**, ensuring efficient data handling and report generation.
- Implemented **event-driven architecture** with message queues for managing participant registrations and notifications.

Code Vulnerability Scanner | *May 2024 – Jun 2024*

- Developed a **real-time code vulnerability scanner** for detecting security threats in source code repositories.
- Built a **RESTful API-based security engine** integrated with CI/CD pipelines, reducing security breaches by **70%**.
- Implemented **automated threat intelligence**, enabling vulnerability scanning based on OWASP security guidelines.
- Designed a **React.js-based security dashboard** for real-time monitoring and analytics of detected vulnerabilities.