

Mohanreddy Kondreddy

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Professional Summary

Software Engineer with 2+ years of experience delivering scalable, high-performance applications. Proficient in developing modern frontends with React.js, Next.js, TypeScript. Strong knowledge in backend development using Java, Spring Boot, and Node.js, with expertise in designing secure RESTful and GraphQL APIs and building distributed microservices architectures. Experienced in deploying and scaling applications on AWS (EC2, S3, RDS, Lambda) and Azure, leveraging Docker and Kubernetes for automation and cloud-native reliability. Strong knowledge of databases including PostgreSQL, MySQL, MongoDB, and Redis, with expertise in query optimization and caching strategies. Knowledge in integrating streaming and real-time processing systems with Kafka and Spark to improve data-driven decision-making. Skilled in implementing application security with Spring Security, OAuth2, JWT, and role-based access control. Experienced in applying Generative AI and prompt engineering to automate workflows, improve application intelligence and end-user experiences.

Education

Masters in Science and Information Systems | Saint Louis University, St. Louis (GPA:3.84)

Bachelor of Engineering in Computer Science and Engineering | Alliance University, India (GPA: 3.4)

Skills

Frontend Development: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Responsive UI Design

Backend & Frameworks: Java 17, Spring Boot, Spring MVC, Hibernate, Node.js, GraphQL, Microservices Architecture, .NET, C#, Go

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, CloudWatch), Azure, Docker, Kubernetes, CI/CD Automation, Infrastructure as Code

Databases & Data Engineering: PostgreSQL, MySQL, MongoDB, Cassandra, Redis, SQL Optimization, Kafka, Apache Spark

Security & Compliance: Spring Security, OAuth2, JWT, Role-Based Access Control (RBAC), Swagger/OpenAI, HIPAA Compliance

Monitoring & Observability: ELK Stack, Log Management, Application Performance Monitoring

Testing & QA Tools: JUnit, Postman, SOAP UI, Drools, Drools Rule Engine

Collaboration & Methodologies: Agile (Scrum/Kanban), Sprint Planning, Code Reviews, Version Control (Git, GitHub, GitLab, Bitbucket)

Work Experience

Deloitte, India | Software Analyst

Jul 2021 – Jul 2023

- Streamlined decision workflows by migrating 5000+ Oracle business rules into RedHat Drools using Java, which reduced rule execution defects and improved operational accuracy across business processes.
- Delivered 10+ secure, scalable REST APIs and backend services for healthcare and enterprise systems using Spring Boot microservices, effectively onboarding teams and improving employee benefits processes.
- Enhanced data processing performance by optimizing MySQL and PostgreSQL databases to handle 1M+ records daily, increasing system throughput, reliability, and operational efficiency.
- Automated CI/CD pipelines using Jenkins, Docker, and Kubernetes, streamlining feature deployments across multiple environments, reducing rollback incidents by 30%, and ensuring HIPAA-compliant production releases for critical services.
- Integrated the ELK Stack for real-time application monitoring and centralized logging, improving issue detection and debugging speed and reducing time-to-resolution for production incidents.
- Strengthened team capability by leading code reviews, knowledge-sharing sessions, and mentoring junior developers in Java, Drools, and best engineering practices in an Agile environment.

Projects

Preventing and Detecting Data Discharge Analysis: [GitHub](#)

- Designed a web application which helps to avoid Data loosing from various aspects within an Organization. This application will provide and monitor the data transaction. Java, HTML5, CSS2, JavaScript, PHP, and MySQL, technologies were used.

Unified HealthCare Reporting System: [GitHub](#)

- Designed an application using Java, JSP, HTML, CSS, Bootstrap, JQuery, JavaScript and MySQL technologies to track and generate reports on key operational metrics such as a patient visit trends, resource utilization, provider workload, and financial claims processing, using the Synthea dataset, a simulated healthcare data, to develop and test the reporting functionalities.

Training and Internship

Training

- Full Stack Development Training from Deloitte Launchpad, Deloitte Consulting USI. – 2months

Internship - TechCiti Technology Pvt. Ltd.

- Interned as a software developer. Project: Preventing and Detecting Data Discharge Analysis using Java, HTML, CSS, JavaScript, PHP, and MySQL technologies.

Extracurricular Activities

Graduate International Student Ambassador - Saint Louis University

- Assisted over 100 international students with their transition to university, providing guidance on academic resources and student services.

Placement Coordination Team – Alliance University

- Supported placement drives for 230+ students, contributing to a 30% increase in successful placements.

Certifications [Link](#)

Amazon Junior Software Developer | AWS Solutions Architect – Associate – AWS | Automation with Drools | Docker Certified Associate (DCA) | Programming with Go (UC Irvine)