

MANI DURGA KANAPARTHI

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Professional Summary

Versatile Full-Stack Java Engineer & Software Engineer with 5+ years building scalable, high-performance systems: architected Spring Boot microservices processing 1M+ monthly transactions across AWS, GCP, and Azure with 99.9% uptime; reduced API latency by 45% via SQL tuning and Redis caching; tripled deployment frequency through Jenkins, GitHub Actions, and Terraform; and delivered responsive ReactJS/Angular UIs improving load times by 30%. Skilled in system design, data structures, algorithms, and Agile collaboration.

Technical Skills

Backend & Architecture: Java 8, Spring Boot (MVC/Security/Data JPA), Hibernate, RESTful APIs, Microservices, Serverless (Lambda/Cloud Functions), Design Patterns, Data Structures & Algorithms

Frontend & UX: ReactJS, Angular, TypeScript, HTML5/CSS3, Redux, RxJS, Material UI, Jest, Cypress

Cloud & DevOps: AWS (EC2/Lambda/S3/CloudWatch/WAF), GCP (Compute/Cloud Functions), Azure (App Services/Functions), Docker, Kubernetes, Jenkins, GitHub Actions, Terraform

Data & Messaging: MySQL, PostgreSQL, Oracle, SQL, Redis, Kafka, RabbitMQ, JDBC

Monitoring & Security: Prometheus, Grafana, Splunk, OAuth2, JWT, RBAC

Testing & Quality: JUnit, Mockito, SonarQube, TDD

Collaboration: Agile/Scrum, Jira, Confluence, Code Reviews

Professional Experience

Ally Bank

Full Stack Java Developer

Jan 2025 - Present

Remote

- Architected Spring Boot microservices handling 1M+ monthly transactions; refactored SQL and introduced Redis caching to reduce average API latency by 45%.
- Developed RESTful APIs secured with OAuth2 and JWT, implementing RBAC for multi-tenant access and cutting unauthorized requests by 95%.
- Automated end-to-end CI/CD pipelines with Jenkins, GitHub Actions, and Terraform; deployed services to AWS, GCP, and Azure with zero-downtime releases, tripling deployment frequency.
- Built responsive ReactJS and Angular modules (TypeScript, Material UI), reducing bundle load times by 30% and boosting user satisfaction scores by 25%.
- Integrated Prometheus, Grafana, and Splunk dashboards to monitor 300+ system metrics and reduced MTTR by 40%.

University of Central Missouri

Full Stack Java Developer

Aug 2023 - Jan 2025

Warrensburg, Mo

- Developed high-throughput REST APIs in Spring Boot with Hibernate and Redis caching, boosting throughput by 35% under peak load.
- Created eight modular ReactJS/Angular components with TypeScript and Material UI, cutting front-end bundle size by 35% and improving Lighthouse scores by 20%.
- Automated Docker-based builds and Kubernetes deployments with Jenkins pipelines and terraform, reducing infrastructure changes' lead time by 60%.
- Integrated SonarQube static analysis into CI/CD, reducing technical debt by 25% and enforcing code quality gates for 85% code coverage.
- Standardized API documentation and testing using Swagger, Postman, JUnit, Mockito, Jest, and Cypress, boosting overall test coverage to 90%.

- Developed high-throughput REST APIs in Spring Boot with Hibernate and Redis caching, boosting throughput by 35% under peak load.
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- Integrated SonarQube static analysis into CI/CD, reducing technical debt by 25% and enforcing code quality gates for 85% code coverage.

- Built Angular applications with lazy loading and feature modules, reducing initial bundle size by 30% and improving rendering performance.
- Developed dynamic reactive forms with custom validators, cutting data entry errors by 40% and accelerating form completion by 25%.
- Implemented frontend-backend integration using RESTful APIs, Postman, and Axios, ensuring seamless data flow and 99% data accuracy.
- Set up Dockized development environments and Jenkins pipelines, achieving consistent builds and reducing environment setup time by 50%.

- engineered Java console applications (Banking System, Student Manager) using JDBC/MySQL, Collections, and multithreading, achieving 100% distinction in performance and code quality.
- Applied TDD with JUnit and Mockito for core modules, securing 100%-unit test coverage and zero regressions.
- Documented design and user guides using Confluence, reducing onboarding time for new developers by 30%.
- Conducted code reviews and pair programming sessions, improving team code consistency and knowledge sharing.

Education

Master's, Computer Science, University of Central Missouri, MO - 3.9/4.00
Bachelor's, CMR Institute of Technology, Hyderabad, India – 3.7/4.0

Certifications

AWS Cloud Practitioner | Google Cloud Associate | Azure Developer Associate | Terraform Certified | GitHub Professional | Meta Front-End Developer

Projects

Secure Chat Application, Full Stack Java Project

Description: The Secure Chat Application is a full-stack Java project featuring Spring Boot microservices for JWT-based authentication, AES-256 encryption, and WebSocket messaging, paired with a React 17/Redux frontend for real-time chat and presence updates. The system is containerized with Docker/Kubernetes, deployed via Jenkins CI/CD, and monitored through Micrometer and Grafana for performance and reliability.