MANI DURGA KANAPARTHI

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Professional Summary

Full-Stack Developer with 5+ years of experience in finance, e-commerce, and manufacturing. Expertise in Angular, React, JavaScript/TypeScript, and building robust microservices ensures seamless user and backend experiences. Proven ability to design RESTful APIs, optimize data pipelines, and facilitate CI/CD automation with Docker and AWS. Driven to enhance system reliability and streamline payment processing through data-driven improvements and rapid iteration.

Education:	Certifications:
University of Central Missouri, **MO**, *Master's, Computer Science* GPA: 3.9/4.0 (2023 – 2025) **CMR Institute of Technology**, **TG**, Bachelor's, *Computer Science* GPA: 3.7/4.0 (2017 – 2021)	• AWS Cloud Practioner • Software Development by Microsoft • GitHub Professional Certificate • Front End Developer Certified by Meta

Professional Experience

Ally Bank   **Jan 2025 - Present**
Java Developer, Remote

- Architected Java-based microservices for transaction processing and customer onboarding, leveraging Spring Boot, Hibernate ORM, complex SQL/JDBC queries, and JWT authentication to ensure secure, reliable data workflows.

- Built responsive ReactJS 17 UIs with HTML5, CSS3, and JavaScript, integrating RESTful APIs to deliver seamless user experiences and maintain consistency across desktop and mobile.

- Automated quality assurance with comprehensive JUnit unit and integration tests and structured Agile SCRUM practices (daily stand-ups, sprint reviews, code reviews) to drive rapid iteration and maintain 99.9% system uptime.

- Streamlined DevOps pipelines by implementing Jenkins, Git, and Docker for continuous integration, testing, and deployment, enhancing release velocity and reducing manual errors.

- Implemented a centralized monitoring solution using Prometheus for metrics collection, Grafana for dashboard visualization, and AWS CloudWatch for log aggregation and alerting enabling proactive system health checks and reducing mean time to detection by 35%.

University of Central Missouri   **Aug 2023 - Jan 2025**
Full Stack Java Developer   *Warrensburg, Mo*

- Architected full-stack solution with React JS, Redux, react native (Reactive Forms, Material UI) front-end and Spring Boot 3.x RESTful APIs to simulate core banking workflows and robust payment processing.

- Secured the platform using Spring Security with JWT-based RBAC, enforcing multi-role access controls and meeting enterprise compliance requirements.

- Built real-time dashboards with Angular pipes/directives and Chart.js, leveraging for coordinated asynchronous data streams to enhance monitoring and actionable insights.

- Documented and validated APIs via Swagger/OpenAPI, Postman, JUnit, and Mockito, establishing comprehensive unit and integration tests for high reliability and maintainability.

Keysight Technologies   **Jun 2021 - Jun 2023**
Full Stack Java Developer, Hyderabad, Telangana

- Architected and developed full-stack modules using Angular + TypeScript (with Material UI, route guards, lazy loading, feature modules, and Reactive Forms) alongside Spring Boot + Java back-ends to deliver scalable, reusable enterprise functionality. • Designed and implemented RESTful APIs in Spring Boot, leveraging Hibernate ORM,

JPA repositories (with custom queries & pagination), and Swagger/OpenAPI documentation to streamline front-end integration and business workflows (user management, approvals, dynamic content).

- Secured the platform with Spring Security and JWT-based RBAC, developed file upload/download and Excel import/export modules, and built email notification services using Spring Mail to meet compliance and user-experience requirements.

- Delivered high-quality releases via Jenkins CI/CD pipelines and Docker containerization; achieved 80%+ unit/integration test coverage with JUnit, Mockito, and Postman to ensure stability across dev, QA, and production environments.

Plus 20 Enterprises   **Jun 2020 - Jun 2021**
Web Developer   *Hyderabad, Telangana*

- Built responsive, component-based applications with Angular & TypeScript, leveraging routing, lazy loading, and feature modules to reduce initial bundle size by 30% and boost UI performance across desktop & mobile.

- Engineered dynamic forms using Reactive and Template-driven Forms (with FormArray/nested FormGroup), custom validators, and real-time validation to streamline complex data entry workflows.

- Integrated RESTful APIs via Angular HTTP Client, applying RxJS operators for real-time data streams and robust error-retry strategies; achieved 80%+ unit-test coverage on services & components using Jasmine & Karma.

- Collaborated in Agile Scrum (JIRA, Confluence) and Git-based workflows, conducting peer code reviews, CI/CD builds with Angular CLI, and environment-specific deployments to ensure consistent quality across dev/QA/prod.

NPTEL Swayam   **Jul 2019 - Oct 2019**
Java Programmer   *Hyderabad, Telangana*

- Completed IIT Madras–mentored Java training, mastering OOP principles (inheritance, polymorphism, abstraction, encapsulation) through hands-on labs and graded assignments.

- Developed console applications (Banking System, Student Record Manager) using Java Collections (List, Set, Map, Stack, Queue), JDBC/MySQL for CRUD operations, and Java I/O utilities for robust input–output handling.

- Implemented multithreading & synchronization to simulate parallel tasks and applied the DAO pattern for clean separation of concerns and modular, testable code.

- Secured certification with distinction, writing unit-testable code and leveraging design principles (interfaces, exception handling) throughout all mini-projects.

Technical Skills

C, C#, Java, JavaScript, Angular, React JS, Redux, Spring Boot, Microservices, Aws, Azure, GCP, CI/CD, Docker, Kubernetes, Jenkins, Terraform, Software Development Life Cycle (SDLC),

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.

Ecommerce Shopping Platform, *MERN Stack*

Description: The E-Commerce Application is a full-stack MERN project featuring a responsive React frontend with Redux for state management, offering product catalog browsing, shopping cart, and secure checkout. On the backend, Node.js and Express power RESTful APIs with MongoDB for data storage, while user authentication, order processing, and Stripe payment integration ensure a seamless shopping experience.