CHARISHMA NADIPALLI

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Software developer with hands-on experience building and maintaining Java/Spring, Node.js, React, C#, and AWS-based applications, with exposure to AI/LLM projects.

Experience

MCESC & Macy's Projects—Full Stack Developer   MAY 2025-Present
UC Information Technology Solution Center, USA
- Designed and supported backend services using Spring Boot, Node.js, and C#/.NET-based components in a microservices environment on AWS EC2 with Docker, improving deployment speed by 40% and supporting 99.99% uptime.
- Built responsive **React**, **TypeScript** dashboards offline capable ShadCN forms, improving UX delivery speed.
- Automated CI/CD pipelines (**GitHub** Actions) with **Redis** caching, improving reliability throughput by 40%.
- Secured access and vulnerabilites via **OAuth2/JWT** and API Gateway, strengthening RBAC and compliance.
- Tuned **PostgreSQL** queries using ORM optimizations and stored procedures to reduce latency by 35%.
- Supported application maintenance, bug fixes, user issue resolution, and documentation to ensure reliable day-to-day system operation.

US Bank Fidelity — Full Stack Developer   JUL 2019 - JUL 2024
Cognizant Technology Solutions, India
- Built and deployed full-stack joint owner features (React + Spring Boot), reducing processing delays by 30% through robust API design and adherence to SDLC best practices.
- Optimized multithreading, **SQL** queries, and high-volume ingestion pipelines, boosting throughput by 35%
- Built secure **OAuth2/JWT APIs** and centralized observability with **Splunk**, reducing incident MTTR by 45%.
- Integrated **GraphQL**+**React query** services, cutting API over-fetching and improving response times by **40%**.
- Automated deployments (**Docker, GitHub** Actions) enhancing team delivery in Agile PI planning ceremonies.

Projects

- **PlayGround App (2025) -** Built end-to-end mobile features (**OAuth logins, real-time chat/events, geo-map**s) with **30%** faster **UI** rendering and sub-200ms image uploads using **React Native, Firebase, and Firestore**. Engineered robust push notification, chat persistence, and location-sharing; achieved smooth real-time experiences for over 2,000 weekly active users.
- **Code Review Agent (2025) -** Developed automated code review tool using **FastAPI, OpenAI & React** to streamline PR analysis and boost team review efficiency. Implemented context-aware comment generation and integration with GitHub Actions, cutting average PR review turnaround time by 40%.
- **Healthcare Q&A Agent System (2025) -** Built a multi-agent system using **Gemini 2.5 Flash + Google ADK** for AI triage, insurance checks, and scheduling. Integrated with **FastAPI, Vertex AI, and GKE**; implemented **JWT** auth, **PII** redaction, audit logs, and HITL review pipeline with semantic matching via vector databases.
- **NovaMart – Event-Driven Commerce Platform (2025)** Designed a Walmart/Amazon-style ecommerce system on **AWS using Dockerized microservices on EKS** with **Terraform** IaC; built product and order services in **Spring Boot**, recommendation and inventory services in **Python**, and wrote unit tests to keep services reliable. Used **DynamoDB** for inventory, **AWS RDS** for orders, **S3** for media storage, and **AWS Cognito** for secure authentication and user management.

Education

Master's in Information Technology   Expected Graduation: DEC 2025
University of Cincinnati, Cincinnati, OH | GPA: 4.0/4.0
Coursework: Machine Learning, Data Mining, Azure Data Engineering, Mobile App Tech, HCI, Cybersecurity

Technical Skills

Languages: Java (8+), Spring Boot, Node.js, JavaScript (ES6+), React (v18), FastAPI, JPA/Hibernate, REST, C#
Cloud/Infrastructure: AWS (EC2, EKS, S3, Elastic Beanstalk, API Gateway), Docker, Kubernetes, Terraform, CI/CD Pipelines (GitHub Actions, Jenkins)
API/Backend: Microservices Architecture, RESTful APIs, GraphQL, JPA/Hibernate, Multithreading, OAuth2, JWT, RBAC, SQL/NoSQL (MySQL, PostgreSQL, MongoDB, Redis), Kafka
Testing/Monitoring: JUnit, Mockito, Postman, SonarQube, OpenAPI/Swagger, Splunk, Git, Agile (Scrum/Kanban).

Certifications

Oracle AI Foundations | Oracle Generative AI Professional | Oracle Developer Professional | Microsoft AZ-900