

Devi Prasad Choudhary Ratnala

Lead Software Engineer

10+ years building enterprise applications at scale, with current focus on AI engineering, knowledge systems, cloud platforms, and operational reliability.



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WORK EXPERIENCE

Lead Software Engineer

PepsiCo 2022 - Present

- Built Retail360, an AI-assisted analytics platform for sales and operations decision support.
- Built document RAG for context-grounded answers and semantic retrieval.
- Developed multi-agent pipeline monitoring and failure triage with automated alerts.

Senior Software Engineer

Pegasystems 2021 - 2022

- Architected an event-driven email microservice using Kafka and asynchronous messaging.
- Engineered case-management workflows that reduced manual cross-team handoffs.

Software Development Engineer

Amazon and Oracle 2020 - 2021

- Built Amazon Impact with AWS Lambda, DynamoDB, and React for operational insight.
- Delivered Oracle product-change scheduling with Spring Boot and React/TypeScript.

Software Engineer

Teradata and TCS 2015 - 2020

- Built Vantage analytics tooling and a Django service for automated cloud installation.
- Built insurance-pricing logic and automated a fragile manual build process.

SKILLS

JavaSpring BootReactPython

KubernetesAWS / AzureRAGLangChain

LangGraphCrewAIAutoGenMCP

Vector DBKafkaDockerMicroservices

MongoDBRedisElasticsearchGraphQL

Prompt engineeringFine-tuning

CERTIFICATIONS

- Microsoft Azure AI Fundamentals
- Microsoft Azure Data Fundamentals
- Microsoft Azure Fundamentals
- OCI Architect Associate
- OCI Foundations Associate
- Pega Certified System Architect

EDUCATION

B.Tech, Information Technology

JNTUK University College of Engineering, Vizianagaram | 2011 - 2015

INTERESTS

AI engineering

Scalable systems

Architecture

Writing

Agentic workflows

REPORTED SCALE AND PUBLIC PROOF

50

stakeholders

~1,500

documents

20+

pipelines

26

public repos

View the AI case study, live retrieval lab, and engineering artifacts at rdprassy.com