

FULL-STACK ENGINEER / PRODUCT BUILDER

Devi Prasad Choudhary Ratnala

Product-minded engineer with 10+ years across Java, Spring Boot, React, enterprise systems, cloud workflows, production ownership, and an expanding AI engineering toolkit.

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SELECTED EXPERIENCE

Full-stack application engineering

CURRENT

PEPSICO / HYDERABAD

Building and supporting business-facing applications in a global product environment across Java, Spring Boot, React, cloud, DevOps, and AI-enabled engineering.

Platform microservice contribution

2021 ONWARD

PEGASYSTEMS PLATFORM

Contributed to an enterprise platform microservice, applying service contracts, shared conventions, Pega architecture knowledge, and Oracle Cloud foundations.

Operational insight product

SEP 2020 - JUN 2021

AMAZON IMPACT APPLICATION

Built weekly operational-review workflows with AWS Lambda, DynamoDB, and React. Owned high-severity incident response through root-cause resolution and durable fixes.

Cloud maintenance workflow

MAR - SEP 2020

ORACLE CLOUD PRODUCT CHANGE NOTIFICATIONS

Developed Spring Boot and React/TypeScript scheduling flows, adding durable models that preserved product-change history for auditability.

Analytics development environment

JUL 2018 - FEB 2020

TERADATA VANTAGE

Built Eclipse RCP capabilities for analytical functions and a Django microservice that automated function installation during cloud-cluster provisioning.

Premium calculation systems

MAR 2016 - JUN 2018

AXA GERMANY INSURANCE APPLICATION

Implemented a Spring Boot premium-calculation engine and automated the application build process for more repeatable delivery.

The toolkit behind the work.

Cross-stack fluency, operational responsibility, and continuous learning form the through-line.

CORE ENGINEERING

- Java, Spring Boot, REST APIs, microservices
- React, TypeScript, JavaScript, product interfaces
- Python, Django, Eclipse RCP
- Oracle, DynamoDB, durable data models
- AWS Lambda, Azure, Oracle Cloud
- Docker, CI/CD, build and release automation

AI ENGINEERING

- LLM engineering and retrieval-augmented generation
- Agent architecture and Model Context Protocol
- QLoRA and model-adaptation foundations
- Azure AI services and responsible product integration

WAYS OF WORKING

- System thinking from user workflow to failure mode
- High-severity incident ownership and root-cause resolution
- Clear technical writing and decision documentation
- English, Hindi, Telugu, and Oriya

CREDENTIALS

AI Engineer Core Track

LLM engineering, RAG, QLoRA, agents / 2026

AI Engineer Agentic Track

Agent architecture and MCP

Microsoft Azure AI Fundamentals

2025

Microsoft Azure Data Fundamentals

2025

Microsoft Azure Fundamentals

2024

Pega Certified System Architect

2021

OCI Architect Associate

2021

OCI Foundations Associate

2021

EDUCATION

B.Tech, Information Technology

JNTU Kakinada / 2011 - 2015

SELECTED PROJECT

PSO Palmprint Recognition System

Designed a MATLAB biometric pipeline using Particle Swarm Optimization, Gabor filters, and Euclidean-distance matching.

PUBLIC PROOF

26 public repositories / product case studies / technical writing / cloud and AI credentials