

RAMU MARISSETTI

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PROFESSIONAL SUMMARY

AWS DevOps Engineer with **nearly 2 years** of experience in cloud infrastructure, CI/CD automation, backend systems, and testing. Hands-on experience integrating Large Language Models (LLMs) using OpenAI APIs, applying prompt engineering techniques for intelligent data validation, automation, and enrichment.

WORK EXPERIENCE

DevOps Engineer

May 2024 – Present

Tata Consultancy Services

Siruseri, Chennai

- Optimized Jenkins **CI/CD pipelines** for HP B2B platform, reducing release cycles by 35% and accelerating delivery following DevOps lifecycle.
- Implemented Docker-based microservices on **Kubernetes**, optimizing deployment for scalability, reliability, and high-availability in production.
- Managed **AWS infrastructure**, improving security, compliance, and operational efficiency.
- Automated infrastructure and operational workflows using Python, Bash, and **YAML**, reducing manual intervention and deployment errors; accelerated feature delivery and operational efficiency.
- Applied LLM-based validation via OpenAI APIs and **Prompt engineering**, reducing manual verification by 50% and improving data reliability.

PROJECTS

Hewlett Packard B2B

Client: HP

- Led end-to-end DevOps workflows following **SDLC and DevOps lifecycle** for development, testing, deployment, and monitoring.
- Automated **CI/CD** pipelines with Jenkins, reducing errors and accelerating delivery.
- Collaborated within **Agile** Scrum teams, participating in sprint planning, stand-ups, and retrospectives to deliver features efficiently and ensure continuous improvement.
- Integrated API automation using Postman and Python within CI pipelines, improving test coverage by 40%.
- Applied AI-assisted data validation with **OpenAI APIs**, cutting manual verification by 50% and ensuring data quality.

TECHNICAL SKILLS

Programming Languages: Java, Python

Cloud and DevOps: AWS Operations, Jenkins, Git, GitHub, CI/CD Pipelines, Helm, Docker, Kubernetes, SDLC, DevOps Lifecycle

Testing and AI Integration: Postman, API, Integration Testing, Agile, AI-assisted automation

Databases: SQL

Operating systems: Linux, Windows

CERTIFICATIONS

- AWS Solutions Architect – Associate

EDUCATION

Bachelor of Technology (B.Tech) – Mechanical

2019 – 2023

SRKR Engineering college

Andhra Pradesh