

DHEERAJ GANTA

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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	June 2024 – Present
<i>Tata Consultancy Services</i>	<i>Siruseri, Chennai</i>
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
- Microsoft Azure Fundamentals (AZ-900)
- ISTQB Certified Foundation Level v4.0

EDUCATION

Bachelor of Technology (B.Tech) – Bioinformatics
Vignan University

2019 – 2023
Andhra Pradesh