GANTA DHEERAJ

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PROFESSIONAL SUMMARY

AWS DevOps Engineer with 1.8+ 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.

CORE SKILLS

Cloud Platforms: AWS (EC2, S3, IAM, VPC, RDS, CloudWatch, EKS)
CI/CD & DevOps: Jenkins, Git, GitHub, CI/CD Pipelines, Helm
Containers: Docker, Kubernetes
Backend Technologies: Java, Python, REST APIs
Testing Tools: Postman, API & Integration Testing
LLMs & Prompt Engineering: OpenAI APIs, Prompt Optimization
AI Integration: LLM-based Validation, Data Enrichment, AI-assisted Automation
Automation & Scripting: Python, Bash, Shell Scripting, YAML
Monitoring: AWS CloudWatch
Databases: SQL
Methodologies: Agile, SDLC, DevOps Lifecycle

PROFESSIONAL EXPERIENCE

Devops Engineer – AWS   June 2024 – Present
Tata Consultancy Services   *Siruseri, Chennai*

– Designed and maintained CI/CD pipelines using Jenkins for automated build, test, and deployment.
– Deployed and managed containerized applications using Docker and Kubernetes (EKS).
– Worked extensively with AWS services including EC2, S3, IAM, VPC, RDS, and CloudWatch.
– Integrated API automation (Postman, Newman, Python) into CI pipelines.
– Performed backend validation using SQL and REST API response analysis.
– Integrated Large Language Models (LLMs) via OpenAI APIs for intelligent validation and data enrichment.
– Applied prompt engineering techniques to improve accuracy, consistency, and reliability of LLM outputs.
– Automated infrastructure and operational tasks using Python, Bash, and YAML.
– Monitored production environments, analyzed logs, and resolved deployment issues.

Key Achievements

– Reduced deployment and regression issues by 40% through CI/CD and test automation.
– Improved system reliability using AWS CloudWatch monitoring and proactive alerts.
– Enhanced backend validation accuracy using LLM-powered, prompt-optimized workflows.

PROJECTS

AWS DevOps, CI/CD & API Automation – HP (Hewlett-Packard) B2B Platform (Client: HP)
– Designed and maintained CI/CD pipelines using Jenkins for automated build, test, and deployment.
– Deployed containerized microservices using Docker and Kubernetes (EKS).
– Integrated API and integration test automation using Postman and Python into CI pipelines.
– Monitored production and pre-production environments using AWS CloudWatch and logs.

EDUCATION

Bachelor of Technology (B.Tech) – Bioinformatics   2019 – 2023
Vignan University

CERTIFICATIONS

AWS Solutions Architect – Associate

Microsoft Azure Fundamentals (AZ-900)

ISTQB Certified Foundation Level v4.0

PERSONAL STRENGTHS

- Strong automation-first and reliability-focused mindset

- Ability to bridge DevOps, backend, testing, and AI workflows

- Hands-on problem solver with continuous learning attitude

- Clear communicator with strong documentation skills