

# DHEERAJ GANTA

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## PROFESSIONAL SUMMARY

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**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

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| <b>DevOps Engineer</b><br><i>Tata Consultancy Services</i> | June 2024 – Present<br><i>Siruseri, Chennai</i> |
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- 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

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| <b>Hewlett Packard B2B</b> | <b>Client: HP</b> |
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- 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

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**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

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- AWS Solutions Architect – Associate
- Microsoft Azure Fundamentals (AZ-900)
- ISTQB Certified Foundation Level v4.0

## EDUCATION

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<b>Bachelor of Technology (B.Tech) – Bioinformatics</b> <i>Vignan University</i>	2019 – 2023 <i>Andhra Pradesh</i>
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