

GOWTHAM ARUMUGAM

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with 3+ years of experience automating, optimizing, and managing cloud infrastructure and CI/CD pipelines. Skilled in configuration management, containerization, and monitoring solutions to enhance system reliability, scalability, and deployment efficiency. Proficient in Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, Azure, and AWS with a strong focus on streamlining development workflows and implementing DevOps best practices.

TECHNICAL SKILLS

Cloud Platforms: Microsoft Azure, Amazon Web Services (AWS)

Infrastructure as Code (IaC): Terraform

Containerization: Docker

Container Orchestration: Kubernetes

CI/CD Tools: Jenkins, GitHub Actions, Azure DevOps Pipelines, AWS CodeDeploy

GitOps: Argo CD, Argo Rollouts

Source Control Management: Azure Repos, GitHub

Security & Compliance: Network Policies, Role-Based Access Control (RBAC)

Monitoring & Observability: Cloud-native monitoring, Prometheus

PROFESSIONAL EXPERIENCE

DevOps Engineer | Tata Consultancy Services | Chennai, India

August 2022 – Present

- Collaborated with stakeholders to gather requirements and align project deliverables with defined KPIs and business objectives, ensuring on-time and on-scope delivery.
- Implemented Infrastructure as Code (IaC) using Terraform to provision and manage cloud resources across Azure and AWS environments, reducing manual provisioning time by standardizing repeatable deployments.
- Designed, developed, and maintained CI/CD pipelines using GitHub Actions, Jenkins, AWS CodeDeploy, and Azure DevOps to automate build, test, and deployment workflows across multiple environments.
- Enforced cloud security best practices by configuring network policies and Role-Based Access Control (RBAC) within Azure and AWS environments to ensure secure and compliant infrastructure.
- Proactively monitored, identified, and resolved system issues to minimize downtime and maintain optimal performance and reliability across development, staging, and production environments.
- Deployed and managed scalable, highly available software solutions using Kubernetes and Docker, ensuring reliability, performance, and seamless user experience.
- Implemented GitOps workflows using Argo CD and Argo Rollouts to enable declarative, automated application delivery and progressive deployment strategies (canary, blue-green).

EDUCATION

Master of Computer Applications (MCA)

Vinayaka Mission Research Foundation, Chennai, India | *June 2020*

Bachelor of Computer Applications (BCA)

Vinayaka Mission Research Foundation, Chennai, India | *April 2018*

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900)

Microsoft Corporation