DIVYA KANTAMANI

Devops Engineer

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SUMMARY

DevOps Engineer with 3+ years of experience in Azure Cloud and hands-on AWS, CI/CD, automation, and Kubernetes. Skilled in designing scalable pipelines, Infrastructure as Code (IaC), and cloud-native deployments with a strong focus on security, cost optimization, and reliability

SKILLS

- **Cloud & IaC:** Azure, AWS, Terraform
- **CI/CD & SCM:** GitHub Actions, Jenkins
- **Containers & Orchestration:** Docker, Kubernetes
- **Monitoring & Logging:** Grafana, Splunk
- **Scripting & Programming:** Python, Groovy, Bash, Linux

WORK EXPERIENCE

Associate DevOps Engineer | Optum (UnitedHealth Group) | Apr 2025 - Present

- Design and maintain CI/CD pipelines for on-premises applications in **GitHub actions.**
- Migrated **Artifactory** to optimize artifact storage and developer efficiency.

Associate Software Engineer II | Optum (UnitedHealth Group) | May 2022 - Mar 2025

- Worked with various azure resources like **Front Door, App Gateway, APIM, Vnets**.
- Automated **Jenkins pipelines** enabling 70+ pipelines with one-click redeployment, reducing CR time by 40%.
- Addressed **vulnerabilities** in Dockerfiles and Kubernetes manifests (root user, OpenSSL upgrades, etc.).
- Standardized Azure resource provisioning with **Terraform modules**, ensuring secure, zero-downtime migration.
- Reduced **infrastructure costs** by ~20% through CPU/memory optimization and removal of unused load balancers.
- **Automated** Git branch protection and container image cleanup in ACR, enhancing repository security and reducing resource wastage.
- Built **Grafana dashboards** for proactive monitoring and faster issue resolution.
- Actively supported issue resolution and **troubleshooting** in production environments.

Embedded Systems Intern | HARMAN India (Samsung Company) | Oct 2021 - Mar 2022

- Six-month internship on embedded systems development at Harman (Samsung), gaining hands-on exposure to **SDLC** and cross-team **collaboration**.

ACHIEVEMENTS

- **Migrated a critical project** from a shared Azure subscription to a dedicated subscription, reconfiguring networking, IAM policies, and CI/CD pipelines to ensure seamless deployments, improved governance, and cost visibility with zero downtime.
- Implemented **disaster recovery** with active-active traffic distribution, improving **failover resilience.**
- Strengthened **security posture** by enforcing private endpoints and reducing public access to Azure resources.

EDUCATION

Shri Vishnu Engineering College for Women. B.tech: Electronics and Communication Engineering	Jun 2018 - May 2022 GPA: 9.12/10.00

Vidyavikas Junior College, XII	Jun 2016 - May 2018 GPA: 97.70%

Vidyavikas E.M School. X	Jun 2015 - May 2016 GPA: 9.70/10.00

MAJOR PROJECTS AND SEMINARS

AWS Infrastructure Automation using Terraform

https://github.com/divyakantamani45/AWS-Infrastructure-Terraform

- Automated AWS infrastructure provisioning using Terraform, deploying **VPC**, **ECR**, **EFS**, **RDS**, and **Secrets Manager**.
- Designed **modular Terraform** code with remote state in S3, enabling collaboration and **state** management.
- Configured **secure networking** with public/private subnets, IAM roles, and NAT gateways.
- Delivered a production-ready, scalable environment for containerized workloads

Kubernetes Deployment on AWS EKS with GitHub Actions

https://github.com/divyakantamani45/Devops-Application

- Set up a **CI/CD pipeline** on Amazon EKS using GitHub Actions for seamless deployments.
- Automated **Docker** image builds and pushes to Amazon ECR.
- Provisioned **EKS infrastructure** with Terraform, ensuring consistency and reliability.
- Integrated AWS Secrets Manager for secure credential handling.
- Configured CloudWatch for monitoring and log aggregation, improving observability**.**

CERTIFICATIONS & WORKSHOPS

- Devops course from Optum Tech University.
- Completed Machine Learning course from Internshala.
- Introduction to Python and Data Structures in Python courses in Coursera.
- Machine Learning using Python workshop at IIT Hyderabad.
- Internet Of Things workshop.