

Pugalendhi M

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PROFESSIONAL SUMMARY

DevOps Engineer with 5 months of comprehensive hands-on training and project experience in application deployment and AWS infrastructure automation. Ready to tackle on challenges in optimizing workflows, automating deployments, and managing scalable cloud environments. Eager to apply modern DevOps practices to deliver efficient, high-quality solutions and make an immediate impact on your team.

SKILLS

- Languages: Python, C, Bash/Shell, HCL, Groovy
- Tools: Jenkins, Docker, Git, Kubernetes, Terraform
- Cloud: AWS
- Functional: CI/CD Automation, IaC Implementation, VCS, Containerization & Orchestration
- Soft Skills: Communication, Adaptability and Flexibility, Time management, Continuous Learning

TECHNICAL PROJECT

1. End-to-End CI/CD Pipeline Automation for Containerized Application Deployment

Tools: GitHub, Docker, Jenkins, Kubernetes, AWS

- Automated the CI/CD pipeline using Jenkins by integrating GitHub, Docker Hub and Kubernetes.
- Implemented a pipeline to build Docker images from source code, push them to Docker Hub, and deploy containers to Kubernetes pods, reducing manual effort and improving deployment efficiency.
- Streamlined deployment using Kubernetes for managing containerized applications, ensuring scalability, high availability, and efficient resource utilization.

2. Automating AWS infrastructure using Terraform

Tools: Visual Studio, Terraform, AWS (IAM)

- Designed and implemented infrastructure automation of AWS services like EC2, VPC, S3, SG.
- Reduced manual setup time by 70% and improved infrastructure reliability by 60% by automating resource provisioning and configuration.

3. Deploy application in private subnet with Auto Scaling, Load Balancer

Tools: AWS(VPC, Subnet, Load Balance, Auto scale, EC2)

- Designed a VPC with Public and Private subnets across two availability zones for high availability.
- Configured NAT gateways and an Application Load Balancer in public subnets to route traffic to private servers.
- Managed server deployment with an Auto Scaling group for dynamic scaling based on traffic.
- Enabled internet access for private servers via the NAT Gateway, ensuring security and connectivity.

EXPERIENCE

Expleo Solution Ltd

Software Engineer

Dec 2021 – Aug 2024

EDUCATION

Bachelor of Engineering(Electrical Engineer)

Paavai College Of Engineering

Sept 2017 – Apr 2021

CGPA 7.3/10

CERTIFICATES

DevOps Course – GUVI Network

Jun 2024 – Oct 2024