



Professional Summary:

- Results-driven DevOps Engineer with **6+** years of experience designing and operating secure, compliant, and highly scalable 3-tier cloud architectures (frontend, backend, and databases) across AWS and hybrid environments.
- Proven expertise in Kubernetes (EKS), ECS, Terraform, and CI/CD pipeline automation, ensuring reliable, auditable, and production-ready deployments with zero downtime.
- Strong background in system design for high-traffic applications, implementing fault-tolerant architectures, autoscaling strategies, distributed caching, observability and operational excellence.

TECHNICAL SKILLS:

Cloud Platforms: AWS, Azure Cloud, On-prem

AWS Services: ECS with fargate & EC2

Databases: Postgres, RDS, Redis cache

IAC Tools: Cloud Formation, Terraform & Ansible

Source Code Management: Github, GitLab

Monitoring: Grafana, Cloudwatch, Opensearch logs

Containerization Tool: Docker, Kubernetes

CI/CD Tools: GitHub Actions, Azure Devops, Jenkins

Container Management Tool: Portainer, Helm

OS: Windows, Linux (Certified)

Scripting Languages: Bash, Python, Yaml

Networking: TCP/IP, TLS(V2,V3), DNS, VPC, SG, Route53, ELB

WORK EXPERIENCE:

GoRentals – UK (Contract)

Nov 2024 – Present

Designation: DevOps Engineer

- Migration of 3-tier webapps and multiple applications from On-prem(Proxmax & Vmware) to ECS and RDS resulting in approximately **6,300 dollars/month** cost savings for the stakeholders.
- Optimized AWS costs by right-sizing resources based on ECS task utilization metrics, while keeping critical backend services on ECS On-Demand tasks connected to Amazon RDS to ensure high availability, reliability, and optimal performance-to-cost balance.
- Automated repetitive operational tasks and maintenance activities etc via **shell & ansible** script.
- Secured the cloud environment using **AWS WAF, GuardDuty** and **cloudflare zerotrust** enhancing security measures against external threats.
- Implemented auto-scaling policies, service discovery, and load balancing using **Application Load Balancers (ALB)** to ensure high availability and seamless scalability under variable workloads.
- Configured high scalability **GitLab Runners** on ECS with task definition using EC2 instance.
- Implemented multistage Docker build techniques to optimize container images, reducing image size, reducing build times, and enhancing deployment efficiency.
- Designed a CI/CD pipeline to automate deployments with automatic rollback on failed health checks.
- Multi-Region **Active-Passive** Disaster Recovery on AWS.
- Automated failover and recovery using Lambda and EventBridge to maintain high availability.
- Designed detailed network and architecture diagrams in Lucidchart for production and lower environments, improving cross-team understanding of system flows and supporting smoother planning and incident analysis.

Project:

- Deployed a highly available Kubernetes-based application on AWS EKS using Terraform for infrastructure provisioning and Helm for service rollout. Configured Istio for secure inter-service communication, traffic management, and observability. Integrated PostgreSQL (RDS) and S3-backed persistent volumes with IAM policies, and automated deployments via ArgoCD for GitOps-based version control and compliance. Enabled centralized monitoring using Prometheus and Grafana with alert routing to Slack for proactive incident response.

Designation: DevOps Engineer

- Designed AWS infrastructure as code with Terraform, aligning deployments with **ISO** and **SOC2** compliance frameworks and enforcing security automation at every layer.
- Optimized Gitlab CI/CD workflows by introducing parallel testing and linting stages, reducing build time by **50%** and deployment failures by **70%**.
- Implemented Auto Scaling instance refresh strategies to roll out updates safely, ensuring new configurations were applied without downtime while keeping environments stable and fully compliant during deployments.
- Enforced IAM-based access controls, MFA, S3 encryption, and key rotation policies for enhanced security posture across AWS accounts.
- Refactored monolithic applications into Dockerized microservices managed via Portainer, improving system scalability and developer productivity.
- Developed clear, step-by-step runbooks for recurring troubleshooting activities and organized them in Confluence, helping teams resolve issues faster and maintain consistent operational procedures.
- Deployed and configured OpenSearch as a centralized log-querying platform for multiple frontend and backend APIs, enabling faster root-cause analysis and improving overall observability across environments.
- Automated provisioning of EC2, RDS, and S3 resources through reusable Terraform modules, ensuring environment parity and reducing manual intervention.

Tata Communications and Transformation of Services Ltd – Chennai, India

Designation: Cloud Support Engineer

Oct 2021 – Nov 2022

- Managed 60+ EC2 instances across multiple environments (Ubuntu/Amazon Linux) ensuring **99.9%** SLA uptime and proactive patching for compliance.
- Reduced infrastructure costs by **20%** annually through capacity planning, right-sizing EC2 instances, and RDS optimization.
- Automated infrastructure creation via Terraform, leveraging remote backend state management in S3 with DynamoDB for versioning.
- Built Jenkins CI/CD pipelines integrating Git, Maven, SonarQube, and Docker, improving delivery and code reliability.
- Implemented CloudWatch-based alerting and automated scaling policies, reducing downtime and manual intervention by **30%**.
- Enhanced infrastructure observability and auditability by integrating Promtail, loki, Prometheus, and Grafana dashboards for real-time monitoring.

ACT FIBRENET - Chennai, India

Designation: Technical Support Engineer

Oct 2017 – June 2021

- Reduced fault rate in high-issue networks by **40%** through root cause analysis and infrastructure redesign, supervised field teams to implement optimized routing solutions within strict deadlines.
- Identifying vulnerabilities and recommending corrective measures to enhance infrastructure security.
- Supervised on-site engineers during network rectification, ensuring timely completion of tasks.

Achievements:

Certifications:-	Interpersonal Skills:
- Certified Kubernetes Administrator(CKA)	- Proven ability to collaborate with others
- Certified AWS Solution Architect(Udemy)	- Adaptability & Flexibility
- Linux Foundation Certified System Administrator (LFCS)	- Strong problem-solving skills
- Hashicorp Certified: Terraform Associate	

EDUCATION:

Master of Business Administration from University of Chester	2023 to 2024
Bachelor of Electronics and Communication Engineering from Anna University	2013 to 2017