

## AWS DEVOPS ENGINEER

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### PROFESSIONAL EXPERIENCE

Worked as Jr.DevOps Engineer at Assisto Technologies, Noida, uttar pradesh from **september 2023 to march 2024**

Working as Associate DevOps Engineer at Kaaylabs Private Limited, Chennai, Tamil Nadu from **july 2024 to till date.**

### SKILLS

- Version Control Tools : GitHub,Git
- Containerization Tool : Docker, Kubernetes and ECS
- IAC Tool : Terraform
- Continuous Integration Tool : Jenkins and Github actions
- Artifactory Server : Nexus,ECR
- Web Server : Apache Tomcat, Nginx(Load Balancer) and Httpd
- Operating Systems : Windows, Linux and Ubuntu
- Monitoring Tools : Prometheus and Grafana, Uptimekuma
- Ticketing Tool : Jira, Slack
- Cloud Environments : AWS and on-premises
- Scripting language : Shell-scripting
- Logs Management : CloudWatch

### Roles and Responsibilities:

- Orchestrated end-to-end CI/CD pipelines using **Jenkins, Git**, and automation tools to support **concurrent releases** across cross-functional Agile teams, reducing deployment cycles by 40%.
- Spearheaded **Software Release Management** strategies in Agile environments, ensuring seamless integration of code from development teams into production environments.
- Automated build/deployment workflows, including **branching strategies, tagging, and version control** in Git, improving release accuracy and traceability.
- Managed Jenkins infrastructure: **plugin management, user access controls, job orchestration.**
- Resolved critical build/deployment failures through root cause analysis (RCA), reducing downtime by 30% and enhancing system reliability.
- Standardized **configuration management** processes for codebases, ensuring consistency across Dev, QA, UAT, and Prod environments.
- Collaborated with developers to troubleshoot environment-specific issues and optimize **Infrastructure as Code (IaC)** practices.
- Leveraged **Jira** for end-to-end ticket tracking, sprint planning, and release coordination, aligning workflows with Agile milestones.

## Professional Experience:

- Automated infrastructure provisioning with **Terraform**, achieving IaC (Infrastructure as Code) consistency across dev, QA, UAT, staging, and production environments.
- Migrated AWS services between accounts to leverage startup credits, ensuring zero downtime.
- Secured cloud environments using **AWS WAF, Shield, Secrets Manager, KMS, and Certificate Manager**.
- **Architected and deployed secure, scalable cloud infrastructure using AWS VPC**, including subnets, route tables, NAT gateways, and security groups to enforce network segmentation and compliance with AWS Well-Architected Framework best practices.
- Engineered a **serverless image processing system** using **AWS Lambda** and **CloudFront** to dynamically resize, compress, and convert images to modern formats (WebP/AVIF) in real time, achieving **40% faster page load times** and **60% reduction in storage costs**.
- Leveraged **sharp** (Node.js library powered by libvips) for high-performance image transformations, ensuring minimal latency (<100ms) for on-the-fly processing.
- Designed and implemented **CI/CD pipelines** using **Jenkins** to automate **Docker** image builds, **ECR** pushes, and **AWS CodeDeploy**-driven **blue/green deployments** for **ECS Fargate**, ensuring **zero-downtime releases**.
- Configured **ECS Task Definitions, ALB listeners, and CodeDeploy deployment groups** to dynamically manage traffic shifting between blue/green environments.
- Automated mobile app deployments (iOS/Android) using **Fastlane** with best practices for code signing and store submissions.
- Authored **shell scripts** to automate repetitive tasks and integrated **Cron Jobs** for log rotation and system maintenance
- Containerized applications using **Docker**, authored Dockerfiles, and managed images via **ECR**.
- Deployed and managed microservices on **Kubernetes** clusters, creating pods, deployments, replica sets, and services via YAML manifests.
- Implemented hybrid cloud solutions using **ECS Anywhere** for on-premises-to-cloud workload orchestration.
- Monitored AWS resources (EC2, EBS, RDS) using **CloudWatch**, creating dashboards and alarms for proactive issue resolution.
- Collaborated with dev teams via **Jira** for Agile sprint planning, ticket tracking, and change management.

## Education:

### **Bachelor of Engineering (B.E) in Computer Science & Engineering**

Loyola Institute of Technology, Chennai.

2019- 2023

## Declaration:

I hereby declare that all the above furnished information is true to the best of my knowledge.

**Place:** Chennai.

Parvesh Mushraf P