Ashok Mani

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CAREER OBJECTIVE

"Motivated and detail-oriented graduate with strong knowledge of cloud computing, CI/CD pipelines, and automation tools. Seeking an entry-level DevOps Engineer/Cloud Engineer roles to apply skills in cloud infrastructure, containerization, and continuous delivery, while contributing to efficient software delivery processes".

TECHNICAL SKILLS

- **Cloud Platforms:** AWS
- **CI/CD Tools:** Jenkins
- **IaC:** Terraform, Ansible
- **Containerization & Orchestration:** Docker, Kubernetes, Helm
- **Version Control:** Git, GitHub
- **Scripting Languages:** Bash, Python (beginner level)
- **Monitoring Tools:** Prometheus, Grafana
- **Operating Systems:** Linux (Ubuntu), Windows
- **Build Tools:** Maven, Gradle
- **Database:** MySQL

PROJECTS

React Application Deployment on AWS (CodePipeline & EKS)

- Containerized React app and stored images in AWS ECR.
- Automated CI/CD using AWS CodePipeline, CodeBuild, and CodeDeploy integrated with GitHub.
- Deployed on AWS EKS with Kubernetes manifests and enabled CloudWatch monitoring.
- Delivered a production-ready, automated deployment with zero manual intervention.

Infrastructure Automation & CI/CD with Jenkins, Docker, and Terraform

- Provisioned AWS infrastructure (VPC, IAM, EC2, EKS) using Terraform.
- Containerized React app with Docker and pushed images to DockerHub (dev/prod repos).
- Designed Jenkins pipeline with GitHub webhooks for automated build, push, and Kubernetes deployment.
- Implemented Prometheus & Grafana monitoring, ensuring application reliability and scalability.

Automated Deployment with Docker, Bash, Jenkins & AWS EC2

- Containerized React app using Docker and automated builds with bash scripts and docker-compose.
- Configured Jenkins CI/CD pipeline for branch-based deployments: dev → public repo, master → private repo in DockerHub.
- Deployed on AWS EC2 (t2.micro) with secure security group rules and enabled health monitoring with alerts.
- Delivered a production-ready pipeline with clear environment separation (dev/prod).

EDUCATION

Madras Institute of Technology, Chrompet – Anna University
Bachelor of Technology in Information Technology   2022–2025
CGPA: 6.82

CERTIFICATIONS & EXPERIENCE

DevOps Engineer Certification – GUVI (2025)

- Gained hands-on experience in automating deployments, managing cloud infrastructure, and improving system reliability

Data Engineering with python Intern– Pentafox Technologies (2023)

- Worked on data engineering projects using Python and SQL for ETL processes

Electrical Technician – Chemplast Sanmar Limited (2018–2021)

- Worked for three years in Chemplast Sanmar Limited, gaining hands-on experience in industrial processes

SOFT SKILLS

- Problem-solving and troubleshooting ability
- Effective collaboration with developers, QA, and cross-functional teams
- Language Known: English , Tamil