

# Mos Richard Junior Devops Engineer

✉ mosrichard3@gmail.com ☎ +91-8220296803 ↗ mosrichard.github.io ↗ github.com/Mosrichard

## 👤 Professional Summary

DevOps-focused engineer with hands-on experience in **AWS, Terraform, Docker, Kubernetes**, and **CI/CD** automation. Built and deployed cloud-native applications with infrastructure as code and container orchestration. Strong foundation in Linux and automation scripting, seeking a **Junior DevOps Engineer** role.

## 💻 Technical Skills

**Cloud:** AWS ( EC2, ELB, ASG, S3, IAM, VPC) | **CI / CD & SCM:** GitHub Actions & Jenkins / Git & GitHub |

**Iac:** Terraform | **Containerization & Orchestration:** Docker & Kubernetes |

**Configuration Management:** Ansible | **Web Servers:** Nginx, Apache, Tomcat | **Operating System:** Linux |

**Scripting:** Python & Bash | **Database:** MySQL | **Monitoring:** Grafana & Prometheus

## 📁 DevOps Projects

### MERN App Deployment using CICD Actions ☑

- Built an automated CI/CD pipeline using **GitHub Actions, Terraform, Docker, and AWS EC2** to provision **infrastructure** and deploy a containerized MERN application on code push, **reducing manual deployment effort by 100%**.
- **Containerized frontend, backend, and MongoDB services, configured Docker networking**, and enabled fully automated deployments, eliminating manual configuration and reducing human errors.

### React App Deployment Using GitHub Actions ☑

- **Built an end-to-end CI/CD pipeline** using **GitHub Actions and Terraform** to provision AWS infrastructure and deploy a containerized React application on **EC2**, eliminating manual provisioning and release steps.
- **Automated Docker image build, push, and remote deployment** via **SSH** with secure secrets management using **GitHub Secrets, reducing deployment time** and **minimizing configuration errors**.

### Kubernetes-Native-Task-Manager ☑

- Built and deployed a Dockerized full-stack MERN application on **Kubernetes**, configuring **Nginx Ingress** for **service routing** and **external access**.
- Created **Kubernetes manifests** for **MongoDB, backend, frontend, Secrets, ConfigMaps, Persistent Volumes**, and **Ingress**, and manually built and pushed Docker images to **Docker Hub** for deployment.

### Mini Fullstack app deployment using Ansible-Roles ☑

- Designed and automated **end-to-end** application deployment using **Ansible**, leveraging **roles** and **playbooks**.
- Focused on **configuration management** and repeatable automation rather than manual or tool-specific deployments.

## 💼 Professional Experience

### Green World Group, Junior Data Analyst

01/2024 – 10/2025

Chennai

- Developed KPI dashboards using **Power BI** and **Excel** for business performance monitoring and reporting.
- Automated data extraction and validation workflows using **Python on Linux**, improving **CRM data accuracy** and reducing manual effort.
- Cleaned and validated data from **MySQL databases** and Excel sources to ensure reliable **backend reporting**.
- Resolved data inconsistencies using structured scripting techniques and managed automation scripts with **Git version control**.
- Assisted in maintaining **Linux-based environments** and executing scheduled automation tasks.

## 🎓 Education

### Bachelor of Engineering, Jeppiaar Institute of Technology

Computer Science and Engineering - 8.24 CGPA

08/2019 – 07/2023

Chennai