JILL RAVALIYA

Devops Engineer

in/jill-ravaliya09

+91 9408282031 | jillahir9999@gmail.com | Jamnagar, Gujarat

SUMMARY

DevOps Engineer with hands-on experience in containerization, cloud deployment, and infrastructure automation. Built and deployed 3 production-ready applications using Docker, Kubernetes, and CI/CD pipelines. Proficient in Linux system administration, NGINX configuration, and container orchestration. Proven ability to debug complex infrastructure issues and implement scalable solutions. Seeking entry-level DevOps/Cloud roles to contribute technical expertise in production environments.

EDUCATION

Pursuing Bachelor of Engineering in Chemical Engineering
Om Engineering college Junagadh | 2023 - Present

Diploma in Chemical Engineering | 7.96 CGPA
Government Polytechnic Rajkot - Completed: 2023

Transitioned to DevOps Engineering through 6+ months of intensive self-learning and hands-on project work in containerization, cloud infrastructure, and automation.

TECHNICAL SKILLS

Containerization & Orchestration

- Docker, Docker Compose, Kubernetes (Deployments, Services, Ingress, Pods), Container Networking (Bridge, Host, Overlay), Multi-stage Builds

Cloud & Infrastructure

- Linux Administration (Ubuntu Server, systemd, apt, SSH), Cloud Deployment (Render), NGINX Web Server, Reverse Proxy Configuration, VM Management (Multipass)

CI/CD & Automation

- Git/GitHub, Git-based CI/CD Pipelines, Bash Scripting, Infrastructure as Code (YAML), Automated Deployment Workflows

CERTIFICATE

- Google - The Bits and Bytes of Computer Networking
- The Linux Foundation - Introduction to Linux (LFS101)
- Google - Google IT Automation with Python
- AWS - AWS Cloud Solutions Architect
- Azure - Microsoft Azure Fundamentals AZ-900 Exam Prep
- RadHat - Cloud-Native Development with OpenShift and Kubernetes

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PROJECT

Multi-Container Application Orchestration with Docker Compose

Tech : Docker Compose | Node.js | React | MongoDB | NGINX | GitHub

- Orchestrated 3-container application using Docker Compose with custom bridge network for DNS-based service discovery
- Configured NGINX as reverse proxy with virtual hosts and API routing, plus health monitoring with auto-restart
- Reduced deployment from 6 manual commands to single docker-compose up (80% productivity improvement)

Kubernetes-Ready Cloud Deployment with Production Configuration

Tech : Kubernetes | Docker | Render | NGINX | GitHub | Live Demo

- Deployed full-stack JPEG-to-PDF app to Render with public HTTPS access, automatic SSL, and Kubernetes manifests for container orchestration
- Implemented runtime config injection via init scripts for single Docker image across dev/staging/prod environments
- Configured health checks, liveness probes, and resolved production issues: CORS, environment variables, service discovery

Frontend : https://jpeg-to-pdf-frontend.onrender.com
Backend : https://jpeg-to-pdf-backend-iujr.onrender.com

Linux Server Administration & NGINX Web Hosting (Local Cloud Simulation)

Tech : Multipass | Ubuntu Server | NGINX | Linux CLI | systemd | GitHub

- Provisioned Ubuntu VM with Multipass to simulate AWS EC2, installed NGINX with custom virtual hosts and routing
- Performed system administration: package management (apt), service control (systemctl), permissions (chmod), log analysis
- Implemented deliberate failure scenarios (crashes, config errors, permissions) to practice debugging and troubleshooting