

ROHITH REMESH

Devops engineer

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PORTFOLIO - www.rohithr.online

BLOG - <https://medium.com/@rohithr-devops-blog>

OBJECTIVE

As an experienced DevOps engineer, my objective is to leverage my skills in infrastructure automation, system engineering, and cloud management to help organizations achieve their business goals. I am committed to continuous learning and staying up-to-date with the latest technologies in the DevOps space. I am excited to bring my expertise and collaborative approach to a dynamic team focused on delivering value to customers through innovative technology solutions.

SKILLS AND EXPERTISE

- **Cloud Platforms & Virtualization**
 - * AWS (EC2, VPC, Route53, EIP, S3, ELB), Digital Ocean, Linode, Vultr
 - * Virtualization & VM Management: Proxmox, VMware
 - **Containerization & Orchestration:**
 - * Docker (image creation, containerization, Docker compose)
 - * Kubernetes (deployment, resource management)
 - **Infrastructure as Code:**
 - * Terraform, Ansible
 - **Server & Application Management:**
 - * Web Servers: Apache, Nginx
 - * Database: MySQL, Mongo db
 - **CI/CD:**
 - * GitHub Actions, GitLab CI
 - **Version Control:**
 - * Git, GitHub
 - **Monitoring, Backup & Security:**
 - * Monitoring: Grafana, Nagios
 - * Backup strategies and failure recovery
 - * VPN & Firewall configurations
 - * DNS Management (Cloudflare, Route 53)
 - **Scripting language:**
 - * Bash scripting
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WORK EXPERIENCE

Jr Devops engineer, QubeDynamics Solutions

Sept 2024 - Present

- **Application Deployment:**

Deployed and maintained full-stack web applications, including:

 - Python Django application
 - Spring Boot + vue js application
 - Node.js + React application
- **CI/CD Setup:** Managed CI/CD setup in GitLab for multiple projects, including:
 - Configuration of pipelines for building, and deployment
 - Implementation of continuous integration and delivery for various applications

- CI/CD Migration: Successfully migrated from GitLab to GitHub Actions.
- Monitoring: Configured Grafana and Nagios for application monitoring.
- Cloud Management: Managed cloud environments on:
 - AWS , Digital ocean, linode, vultr
- Database Management: mysql, mongodb
- Database Clustering: Set up and managed MySQL clusters for high availability and scalability.
- Message Queue Clustering: Set up and managed RabbitMQ clusters for distributed messaging.
- Email Server Setup: Configured and managed self-hosted mail server using Postfix, including:
 - Installation of Postfix and mailutils
 - Implementation of email security measures:
 - DKIM (DomainKeys Identified Mail), DMARC, SPF (Sender Policy Framework)
- Containerization: Experienced with Docker, including:
 - Creating and managing Docker images
 - Deploying and managing containerized applications
- Container Orchestration: Managed Kubernetes clusters, including:
 - Deployment and scaling of containerized applications
 - Management of Kubernetes resources (pods, services, deployments)
- Infrastructure as Code:
 - Wrote Terraform scripts for deploying instances on different cloud providers
 - Created Ansible playbooks for deploying instances in AWS
- DNS Management: Configured and managed DNS in Cloudflare , Route 53
- Alert Management: Fixed alerts and managed monitoring tools (Grafana and Nagios)
- virtualization: Managed Proxmox and VMware environments for VM provisioning, backup strategy, and resource allocation.

Devops intern, SudoSkills

April 2024 - Sept 2024

- Gained hands-on experience in containerization, AWS, and Linux
- Gained experience in deploying wordpress applications to cloud platforms like AWS.
- Configured and managed cloud infrastructure on AWS, including EC2, VPC, route53
- Utilized Docker to containerize applications, and Managed multi-container applications using Docker Compose
- Expertise in Linux Package Management, User, Group Management, Cron Jobs
- Version Control: Collaborated using Git for version control, managing code repositories
- Elastic IP (EIP): Allocated and associated EIPs to EC2 instances, ensuring persistent public IP addresses.
- Configured basic firewall rules, secured SSH access, and implemented initial server hardening best practices.

Python django intern, inmakes infotech

jan 2023 - may 2023

- Gained hands-on experience in building web applications using Python and Django
- Developed strong proficiency in Django frameworks, including models, views, templates
- Mastered the core components of the Django framework, including creating and managing models to interact with databases, designing views to handle user requests, and developing templates
- Developed responsive and user-friendly front-end interfaces using HTML, CSS, and Bootstrap. Ensured cross-browser compatibility and mobile responsiveness,
- Designed and implemented databases using MySQL
- Implemented front-end UI components using HTML, CSS, and bootstrap

EDUCATION

BSC COMPUTER SCIENCE

2019 - 2022

UIT ALAPPLUZHA

PLUS TWO COMPUTER SCIENCE

2017 - 2019

ARAVUKAD HSS SCHOOL

Higher Secondary

2017

JYOTHINIKETHAN SCHOOL

CERTIFICATIONS

- Python Django internship - inmakes infotech pvt ltd, Ernakulam
- Devops internship - SudoSkills, Ernakulam

DECLARATION

I hereby declare that all the information given here is true to the best of my knowledge and belief.