

Dinesh k

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Summary

DevOps Engineer with practical experience in AWS, CI/CD pipelines, and infrastructure automation. Strong foundation in Electronics and Communication Engineering, complemented by effective problem-solving, adaptability, and a passion for cloud technologies. Committed to delivering efficient, scalable solutions while continuously learning and contributing to high-performing DevOps teams.

Experience

Revolite Infotech Solution | chennai

DevOps Engineer | 02/2025

- Working on CI/CD pipelines using Jenkins and GitLab for streamlined software delivery.
- Managing AWS infrastructure (EC2, S3, IAM, VPC) with a focus on automation and scalability.
- Using Ansible for infrastructure provisioning and configuration management.
- Integrated SonarQube into CI pipelines to ensure code quality and maintainability.
- Installed and configured Apache Kafka and Zookeeper on on-premises servers for message queuing and real-time data flow in development and Production environments.
- Deployed and maintained centralized monitoring using Grafana and Loki, with Promtail agents on distributed web and API servers for real-time log aggregation and analysis.
- Collaborating with development and QA teams to ensure high system reliability.

LAN innovations | chennai

Python Developer | 05/2023 - 02/2024

- Assisted in maintaining REST APIs using Flask, contributing to efficient data flow between services.
- Contributed to the development of **I-Assist**, a chatbot designed to help internal teams with portal login assistance and data access tasks.
- Performed basic data handling and validation to support application functionality and user accessibility.
- Gained hands-on experience in backend development, API integration, and model train and test , collaborative software development practices.

Skills

Linux Ubuntu & Redhat, Ansible, AWS, Agile Methodology, Apache, NAS storage, On-Premises server Management, Citrix & VMWare workspace Management, Git, Jenkins, GitHub, Docker, Sophos Firewall Management, Network Protocols, Zabbix

Projects

Internal Company Project – Environment Setup, Migration & CI/CD Automation

- Migrated old internal applications into structured **Dev, QA, and Prod environments** from scratch.
- Deployed infrastructure on both **on-premises servers** and **AWS EC2** for hybrid environment setup.
- Configured **Jenkins** for CI/CD in Dev and Prod; used **GitLab CI** for QA environment — each running on **separate servers**.
- Set up **dedicated servers** for Web, API, and Database in all environments to maintain clean separation.
- Implemented **server-to-server deployment model** for secure and consistent delivery.
- Ensured seamless build, test, and deployment automation to support development and QA workflows.

PMR Website Deployment

Role: DevOps Engineer

Tech Stack: AWS Lightsail, Linux, Nginx, Git, Domain Configuration, SSL.

- Deployed and configured a production website using AWS Lightsail with domain setup, SSL, and server-side optimizations.

Hinduja Housing Finance – Deployment Automation & Server Management

Tech Stack: Jenkins, Linux, Git, Nginx, IIS, SSL, Monitoring

- Automated deployments for **Dev** and **QA** using **Jenkins**.
- Performed **manual production deployments** on client's **remote IIS server**.
- Configured and managed **Nginx reverse proxy** and nginx.conf.
- Handled **SSL lifecycle** including generation, renewal, and deployment.
- Implemented **secure server-to-server deployment** model.
- Managed **PostgreSQL (psql)** database setup, configuration, and maintenance.
- Collaborated with **Dev** and **QA teams** to ensure **code quality** and testing via **SonarQube**.
- Performed proactive **domain and SSL monitoring to maintain secure** and accessible services.

Repository & Access Management (AWS CodeCommit & IAM)

- Managed **AWS CodeCommit** repositories for all environments and projects.
- Created new repos based on project scope and structure.
- Configured **IAM roles and permissions** for developers and QA engineers.
- Ensured secure and organized access control to repositories using IAM best practices.

Zabbix Monitoring for Multi-OS IT Infrastructure

Technologies: Zabbix, MySQL/PostgreSQL, Windows, Ubuntu, CentOS, SMTP, PSK encryption, Network Mapping

- Deployed Zabbix Server with MySQL/PostgreSQL backend and installed agents on Windows, Ubuntu, and CentOS hosts.
- Created custom templates, dashboards, and network maps to monitor multiple hosts and services.
- Configured email alerts with PSK encryption and enabled automatic host registration.
- Monitored websites and IT services to ensure uptime and performance.
- Applied data preprocessing to normalize and organize monitoring data for accurate reporting.

Education

Paavai Engineering College | Namakkal

Bachelor's Degree in ECE | 05/2025

- I graduated with a Bachelor's in Electronics and Communication Engineering (BE/ECE) from Paavai Engineering College with an impressive 80% overall percentage

Interest

- **Networking Maven:** Passionate about expanding professional networks and fostering connections to enhance business prospects.
- **Innovation Aficionado:** Enthusiastic about exploring innovative business models and solutions, contributing to a forward thinking and adaptive mindset