

# Dinesh K

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## SUMMARY

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Passionate DevOps Engineer with hands-on experience in AWS, CI/CD pipelines, and infrastructure automation. Strong foundation in Electronics and Communication Engineering. Skilled in Jenkins, Linux, Terraform, Ansible, Kubernetes, ArgoCD, GitHub Actions, and GitOps practices. Excellent problem-solving, collaboration, and adaptability abilities. Seeking a challenging role to design and implement scalable, efficient, and automated cloud solutions.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Bash, Linux scripting basics, SQL

**Cloud & DevOps Tools:** AWS, Jenkins, Docker, Ansible, Terraform, ArgoCD, Git, GitHub Actions, GitOps

**Operating Systems & Networking:** Linux OS, Windows Server, OSI Model, TCP/IP, VPN & NAT Configuration, Routing Protocols, Sophos Firewall, IIS, RDS

**Web & Server Management:** Nginx, SSL/TLS Certificates, NAS, Server File Backups, Authentication & Authorization (IAM, RBAC)

**Monitoring & Logging Tools:** Zabbix, Prometheus & Grafana, Loki

## PROJECTS

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### Automated Deployment using ArgoCD and GitHub Actions

*DevOps / GitOps Project*

*ArgoCD, GitHub Actions, Kubernetes, Docker*

- Built an automated CI/CD pipeline to deploy a sample web application using GitHub Actions for build automation
- Used ArgoCD for GitOps-based deployment to Kubernetes, enabling continuous delivery with version control
- Implemented containerization with Docker and managed deployment environments efficiently

### Kubernetes Monitoring and Alerting System

*DevOps / Monitoring Project*

*Kubernetes, Grafana, Prometheus, Helm, Alertmanager, Email Notifications*

- Implemented monitoring for Kubernetes nodes and pods using Prometheus and Grafana dashboards
- Configured Alertmanager to trigger email notifications for critical alerts such as LowMemory and CrashLooping pods
- Monitored and resolved alerts for node memory usage and pod crash-looping, ensuring cluster stability and performance
- Deployed the monitoring stack using Helm charts for scalable and repeatable setup

### Hinduja Housing Finance - Deployment Automation & Server Management

*DevOps / Production Deployment Project*

*Nginx, IIS, SSL, Jenkins, Linux, Git, PSQL*

- Performed secure production deployments on client IIS servers and implemented server-to-server deployment using Jenkins and Linux scripting
- Configured and managed Nginx reverse proxy and nginx.conf for optimized server routing
- Handled SSL certificate lifecycle including generation, renewal, and deployment for secure connections
- Managed PostgreSQL setup and collaborated with Dev/QA teams to ensure code quality via SonarQube, monitoring domain/SSL status as needed

## EXPERIENCE

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### DevOps Engineer

*Revolite Infotech Solutions*

Feb 2025 – Present

*Chennai, India*

- Implemented CI/CD pipelines using Jenkins and GitLab for streamlined software delivery
- Managed AWS infrastructure (EC2, S3, IAM, VPC) with automation using Ansible
- Installed and configured Apache Kafka and Zookeeper for real-time message processing
- Deployed centralized monitoring with Grafana, Loki, and Promtail for real-time log aggregation and analysis

## Engineering Intern

*LAN Innovations*

June 2023 – Jan 2024

*Chennai, India*

- Assisted in Python development and backend data handling for internal projects
- Contributed to Machine Learning and Deep Learning model implementation and testing
- Worked on the I-Assist chatbot to help internal teams with portal login and data access tasks
- Gained hands-on experience in collaborative software development and API integration

## EDUCATION

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### Paavai Engineering College

*Bachelor's Degree in Electronics and Communication Engineering (ECE)*

Namakkal, India

*Aug 2019 – May 2023*

## CERTIFICATIONS

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- Python Flask Web App – Coursera, Jul 2023
- RHEL Linux - SysAdmin

## INTERESTS

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- Networking Maven: Passionate about expanding professional networks and fostering business connections
- Innovation Aficionado: Enthusiastic about exploring innovative business models and solutions