

# Niran Prem

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## Summary

DevOps and Cloud Engineer with above 4 years of experience designing, deploying, and automating scalable infrastructure in AWS, Azure, GCP environments. Proficient in tools like Terraform, Kubernetes(EKS, AKS, GKE), Docker, and CI/CD pipelines. Passionate about optimizing system performance, enhancing security, and leading automation-first DevOps transformations in enterprise settings.

## Education

**Indira Gandhi National Open University**, Cochin  
*BCA in Computer Applications*

*June 2022 – Jan 2026*

**Sreerama Gov Polytechnic College**, Thriprayar  
*Diploma in Electrical and Electronics, GPA: 8.5*

*August 2018 – July 2021*

## Professional Experience

**System Engineer**  
*Infosys Limited, Bangalore*

*Oct 2021 – Sep 2025*

- Architected and maintained enterprise-grade CI/CD pipelines using Azure Pipeline, AWS CodePipeline, CodeBuild, CodeDeploy and Jenkins reducing release cycle time by 45%.
- Automated provisioning and configuration of cloud infrastructure with Terraform, enhancing deployment consistency across 30+ production environments.
- Managed Kubernetes (EKS, AKS, GKE) clusters at scale, deploying microservices across multi-region clusters with zero downtime deployments.
- Integrated Docker, Ansible, and GitOps workflows for seamless infrastructure automation and configuration drift prevention.
- Designed and deployed secure, highly available systems across AZURE, GCP, AWS leveraging monitoring tools like CloudWatch ,Grafana for real-time health checks.
- Supported endpoint security hardening by deploying and troubleshooting Symantec SEP, contributing to improved security posture during audits.
- Configured and troubleshoot networking components including TCP/IP, DNS, VPNs, and firewalls, ensuring secure and reliable connectivity across enterprise environments.
- Hands-on experience with virtualization technologies such as VMware vSphere for provisioning, migration, and maintenance of virtualized workloads.

**Senior Technical Analyst**  
*PIT Solutions Pvt. Ltd., Kochi*

*Oct 2025 – Present*

- Managing multi-cloud DevOps environments across AWS, Azure, and on-premises (Hetzner) servers for hosting and deploying production-grade web applications and services.
- Implementing and maintaining Kubernetes clusters on Hetzner (on-prem) for high-availability deployments, ensuring optimized performance and scalability.
- Building and optimizing CI/CD pipelines using Azure DevOps and AWS CodePipeline, integrating automated testing, container builds, and blue-green deployments.
- Automating infrastructure provisioning using Terraform and configuration management through Ansible, improving deployment speed and reducing manual operations.
- Managing containerized workloads using Docker and integrating GitOps workflows for version-controlled infrastructure changes.
- Configuring centralized monitoring and alerting systems with Zabbix, Grafana, and CloudWatch to enhance visibility and uptime across hybrid environments.
- Collaborating with development teams to streamline application delivery pipelines, ensuring compliance with DevOps best practices and security guidelines.

## Technical Skills

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**Cloud Platforms:** AWS, Azure, GCP

**DevOps Tools:** Terraform, Ansible, Kubernetes (EKS, GKE, AKS), Docker, CI/CD, AZURE DevOps, GitHub, CloudFormation

**Monitoring:** CloudWatch, Zabbix, Grafana

**Programming:** Bash, Python (basic), C++

**Virtualization:** VMware, Hyper-V

**OS:** Linux (Ubuntu/RHEL), Windows Server

**SRE Concepts:** SLAs, SLOs, Incident Response, Observability

**Others:** Apache, ServiceNow, Mysql, Agile

## Key Projects

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### Team Task Manager

*DevOps Web App*

Built a real-time collaborative task tracker using AWS Lambda, API Gateway, DynamoDB, Cognito, deployed via CI/CD pipeline to ECS via ECR. Delivered an S3-hosted frontend with CloudFront CDN, achieving below 100ms latency globally.

### Personal Brand Website

*Portfolio Website*

Developed a responsive personal portfolio website using HTML, CSS, JavaScript and deployed via AWS S3 + CloudFront, showcasing UX/UI design, responsive layout, and optimized delivery with load time below 200 ms.

## Certifications and Awards

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### Certifications:

AWS Certified Cloud Practitioner

Microsoft PL-300: Power BI Data Analyst

Microsoft MS-900: Microsoft 365 Fundamentals

(Upcoming) AWS Solutions Architect Associate (2025)

### Awards:

*Insta Award – Infosys:* Led infrastructure provisioning for 3+ data center builds under tight SLAs.