

Nilam Patel

Location: Pune, India | Willing to relocate to UK/London

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Visa Status (if applicable): Open to UK sponsorship / Skilled Worker Visa

Professional Summary

Results-driven **DevOps Engineer** with 10+ years of experience across **AWS, Azure, and GCP**. Proven expertise in **CI/CD pipeline automation, Kubernetes orchestration, Terraform-based IaC, and cloud cost optimization**. Strong communicator skilled in delivering secure, scalable, and high-availability systems with focus on automation, observability, and compliance.

Core Skills

Cloud Platforms: AWS, Azure, GCP, Oracle Cloud

DevOps Tools: Jenkins, GitHub Actions, Terraform, Docker, Kubernetes, Ansible, ArgoCD

Monitoring & Logging: Prometheus, Grafana, EFK Stack, CloudWatch

Programming & Scripting: Python, Shell, Java, HCL

Infrastructure as Code: Terraform, AWS CloudFormation

CI/CD Pipelines: Jenkins, GitHub Actions, CodePipeline, Azure DevOps

Security & Compliance: IAM, RBAC, Secrets Manager, SSL/TLS, Palo Alto

Version Control: Git, GitHub, Bitbucket

Serverless & Event-Driven: AWS Lambda, EventBridge, Azure Functions

Professional Experience

Assistant Vice President – DevOps / SRE Engineer

Deutsche Bank, Pune, India

July 2025 – Present

- Leading DevOps and **Site Reliability Engineering (SRE)** initiatives across multiple projects hosted on **Google Cloud Platform (GCP)**.
- Designed and maintained **scalable, secure, and compliant GKE clusters** for business-critical banking applications.
- Implemented **CI/CD pipelines** using **GitHub Actions, Terraform, and Helm**, ensuring automated, version-controlled, and auditable deployments.
- Managed **infrastructure as code (IaC)** through Terraform modules integrated with **Artifact Registry**, enabling environment standardization and repeatability.
- Enabled **VPA and HPA autoscaling** strategies for optimized workload utilization, reducing compute costs and improving reliability.
- Established **observability frameworks** with **Managed Prometheus, GCP Monitoring, and BigQuery**, enabling data-driven performance insights and incident prevention.
- Implemented **service reliability metrics (SLI/SLO/SLA)** tracking dashboards to enhance production stability and reduce MTTR.
- Collaborated with application and security teams to ensure **compliance with Deutsche Bank's internal cloud governance policies**, including IAM, encryption, and audit controls.
- Automated policy validation and deployment governance using **GitHub Actions with Terraform validation workflows**.
- Conducted **cost optimization** and **capacity planning** across GCP projects using VPA recommendations, node efficiency analysis, and custom dashboards.

Key Achievements:

Reduced GKE resource waste by 35% through right-sizing and autoscaling strategies.

Improved deployment velocity by 40% with fully automated CI/CD workflows.

Enhanced observability and compliance posture using integrated monitoring and policy enforcement automation.

Senior DevOps Engineer — Vayuz Technologies (Code and Theory)

Nov 2024 – Present / Pune ,India

- Designed and automated multi-cloud infrastructure across **AWS, Azure, and GCP** using Terraform and Env0.
- Implemented **GitOps** with ArgoCD for EKS deployments; enforced security with RBAC, Trivy, and admission controllers.
- Built **CI/CD pipelines** integrating SonarQube, Trivy, and OWASP Dependency-Check.
- Managed Dockerized apps on **Kubernetes (EKS)** with advanced networking (ALB, Fastly CDN, Azure Load Balancer).
- Configured **Prometheus + Grafana** for proactive monitoring and analytics-driven insights.
- Optimized infrastructure costs through auto-scaling and right-sizing strategies.

Key Achievements:


Migrated from Container Registry to Artifact Registry, improving deployment security.
Achieved >99.9% uptime with self-healing Kubernetes automation

Senior Software Consultant — Way2cis Complete Integrated System

 *Nov 2015 – Dec 2022 / Muscat,Oman*

- Deployed and managed AWS infrastructure with EC2, RDS, and S3 using Terraform.
- Built Jenkins CI/CD pipelines for ERP application deployment.
- Containerized applications using **Docker** and orchestrated with **Kubernetes**.
- Configured CloudWatch alerts for proactive system monitoring.

Business Technology Analyst — Deloitte Consulting India Pvt. Ltd.

 Feb 2010 – Oct 2012 & May 2013 – Sep 2014 | Mumbai, India

- Led QA processes for multiple client projects ensuring delivery quality.
 - Coordinated between testing and development teams for process optimization.
 - Contributed to test automation and continuous improvement initiatives.
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Key Projects

- **Secure VPC Setup:** Designed multi-tier VPC with subnets, NAT, and routing for secure AWS workloads.
 - **Serverless Event-Driven Architecture:** Built Lambda workflows using EventBridge for automation.
 - **Healthcare CI/CD (Azure):** Implemented blue-green deployments, ensuring HIPAA/GDPR compliance.
 - **CloudFront CDN Integration:** Hosted static site on S3 and distributed via CloudFront.
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Certifications

- **AWS Certified Solutions Architect – Associate (2025)**
 - **DevOps on AWS (Coursera) | Google Cloud Fundamentals | OCI Architect Associate**
 - **KodeCloud Certifications:** GitOps with FluxCD | Terraform | CKA | Jenkins | GKE | Python
 - **IELTS (UK Certified)** British Council - Leicester,UK – Band 7.5
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Education

MSc – International Business & Entrepreneurship

De Montfort University, Leicester, UK – 2024

Bachelor of Engineering. – Electronics & Telecommunications

University of Pune, India – 2009

Additional Skills

- Scripting: Python, Shell, Bash
- Agile & DevOps Practices
- Excellent communication, leadership, and documentation skills