

# AMAN SHARMA

Senior DevOps Engineer · Azure Cloud · Kubernetes · Infrastructure as Code · CI/CD

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📍 Open to Relocation: Netherlands · Switzerland · Sweden · Finland · Europe | EU Blue Card / Highly Skilled Migrant Visa Eligible

## Professional Summary

Senior DevOps / Cloud Infrastructure Engineer with **8+ years of experience** across Azure and AWS, delivering secure, cost-optimized, and scalable platforms for global enterprise clients. Expertise spans **CI/CD architecture**, **Infrastructure as Code (IaC)**, **DevSecOps**, and **multi-cloud engineering** — increasingly leveraging **AI-assisted tools (Cursor, Claude)** to accelerate delivery. Fluent English (C1), proven mentor, and consistent recipient of formal client recognition for high-velocity, zero-escalation delivery.

## Technical Skills

<b>Cloud Platforms</b>	Azure (AKS, VMSS, VMs, Storage Accounts, Networking, Azure Active Directory, Azure Key Vault, Azure Functions, Azure Monitor); AWS
<b>IaC / Infrastructure as Code</b>	Terraform, Ansible
<b>CI/CD &amp; DevOps</b>	Azure DevOps, GitHub Actions, GoCD, Jenkins, JFrog Artifactory, GitHub, GitLab
<b>Orchestration</b>	Kubernetes, Docker
<b>Observability</b>	Azure Monitor, Dynatrace, Splunk
<b>Security &amp; Compliance</b>	SonarQube, DevSecOps, Azure Policy, Azure RBAC, Azure Active Directory, Azure Key Vault, IAM, WIZ, JFrog XRay, SOC2, GitGuardian
<b>Scripting</b>	Bash, Python
<b>Databases</b>	MySQL, PostgreSQL
<b>OS</b>	Linux (RHEL, Ubuntu)
<b>Methodologies</b>	Agile (Scrum, Kanban), GitOps, DevSecOps, SDLC
<b>Tools</b>	JIRA, Confluence, Helm, ArgoCD
<b>Languages</b>	English — Professional Proficiency (C1)

## Professional Experience

**Thoughtworks** — *Senior Infrastructure Consultant (promoted from Infra Consultant)* Aug 2022 – Present

### Cloud Infrastructure & Platform Engineering

Architected and owned Azure cloud infrastructure for 5+ enterprise clients — leading AKS migration from VMSS with zero downtime, implementing zone redundancy (LRS/ZRS), storage lifecycle policies, and environment right-sizing to drive cost optimization across multi-client environments without impacting development velocity.

### CI/CD Modernization & GitOps

Modernized the platform's entire CI/CD estate by migrating from GoCD to GitHub Actions and GitLab to GitHub — standardizing version control, improving deployment speed, and embedding DevSecOps practices (JFrog XRay, Azure Key Vault, SonarQube) across all client pipelines.

### Kubernetes & Event-Driven Autoscaling

Implemented KEDA-based event-driven autoscaling for Spark submit workloads on AKS, enabling dynamic demand-based scaling — improving resource efficiency and reducing infrastructure costs across production environments.

### Infrastructure as Code

Developed and maintained reusable Terraform modules and Helm charts — authored, managed, and deployed via ArgoCD — standardized across multiple client projects, championing IaC culture and enabling consistent, repeatable infrastructure delivery at scale.

### Platform Resilience & Data Infrastructure

Built Elasticsearch and Spark clusters for real-time pricing analytics in close collaboration with data engineering teams, optimizing cluster performance and ensuring reliable, low-latency data processing at scale. Designed and implemented a multi-layered disaster recovery strategy covering Elasticsearch clusters, Azure Storage Accounts, and databases — including Point-in-Time Recovery (PITR) for client databases — ensuring rapid, reliable restoration of services within defined RTO/RPO objectives.

### Security & Compliance Engineering

Led SOC2 audit readiness for the platform, ensuring all security controls, access policies, and compliance requirements were met across environments. Implemented JFrog XRay scanning across all service repository build pipelines to detect and block vulnerable container images before reaching production. Deployed Wiz across the platform for continuous vulnerability detection and remediation. Integrated GitGuardian across all repositories to prevent secret leakage and eliminate exposed credentials from the codebase.

### AI-Powered Engineering Tools

Built an Engineering Dashboard Portal (HTML, CSS, Python, Azure Functions, GitHub Pages) and a Storage Account Tracking Portal using Cursor and Claude — giving Developers, QA, and DevOps a single pane of glass across project resources and replacing manual CSV reporting with interactive graphical dashboards. Leveraged Cursor and Claude to

identify cost leakages in Databricks ETL runs and Storage Account data transactions — reducing costs by 70%, saving clients approx. \$1,500/month.

### **Technical Leadership & Stakeholder Management**

Mentored junior engineers through regular knowledge-sharing sessions and code reviews; presented technical vision and platform roadmap to stakeholders — aligning engineering efforts with business objectives and received formal client appreciation across all major accounts.

**Deloitte Consulting India Pvt. Ltd.** — *DevOps Analyst* — *Banking & Financial Sector* Jul 2021 – Aug 2022

### **AWS Infrastructure & GitOps Pipeline Engineering**

Built end-to-end AWS Infrastructure as Code (IaC) GitOps pipeline using Terraform, Jenkins, and GitHub — provisioning VPC, NAT/Internet Gateways, Route Tables, CloudTrail, IAM, Route53, and SNS across Finance & Investment Management environments; developed reusable Terraform Modules with feature toggles, achieving a full AWS Account GitOps model and drastically reducing team deployment effort.

### **CI/CD Automation & DevSecOps**

Designed and automated CI/CD pipelines across SIT, UAT, and PROD environments, eliminating repetitive manual deployment tasks and improving release velocity. Integrated SonarQube with Jenkins for continuous code quality enforcement and embedded IaC security scanning into Terraform pipelines — enforcing DevSecOps compliance across all delivery workflows.

### **Cloud Observability & Cost Optimization**

Configured infrastructure with CloudWatch for centralized log management and observability; implemented S3 lifecycle policies to auto-archive infrequently accessed data, optimizing cloud storage costs across client environments.

### **Team Enablement & Knowledge Sharing**

Trained and onboarded new team members on DevOps best practices, GitOps workflows, and project toolchain — fostering a culture of continuous learning and operational excellence. Received **Performance Reward** for on-time deliveries and **Shout Out Award** from onsite manager for zero-dependency client deployments.

**MavenWave, an Atos Company** — *Infra DevOps Engineer* — *Banking & Financial Services* Jan 2021 – Jul 2021

### **Multi-Cloud Infrastructure Engineering**

Designed and implemented cloud infrastructure across AWS and GCP using Terraform Enterprise with workspace-based logical separation — enabling secure, compliant, and scalable provisioning across client environments.

### **Cross-Functional Collaboration & Version Control**

Collaborated with development, support, and delivery teams to improve cloud production reliability, performance, and operability. Administered Bitbucket repositories, branching strategies, and pull request workflows to streamline team collaboration and code governance.

**Wipro Ltd.** — *DevOps Engineer* — *Retail Banking (US Client)*

Aug 2018 – Dec 2020

### **Cloud Migration & Infrastructure Provisioning**

Led on-premises to AWS cloud migration for one of the largest US retail banks — migrating multi-tier applications using Terraform, CloudFormation, and Jenkins CI/CD pipelines. Designed VPC network configurations including Subnets, NAT/Internet Gateway, Bastion Hosts, and Route Tables; provisioned EC2, S3, Load Balancers, and Auto Scaling Groups.

### **Infrastructure Monitoring & Incident Response**

Monitored existing infrastructure and architectural frameworks for performance degradation, responding promptly to issues and making necessary updates to maintain production stability and uptime.

### **Agile Delivery & Version Control**

Managed Git version control administration and tracked sprint work in JIRA using Agile Kanban methodology — ensuring structured, transparent delivery across cross-functional teams.

## **Certifications**

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**Microsoft Certified: Azure Fundamentals (AZ-900)**

**AWS Certified DevOps Engineer — Professional** (Expired)

**AWS Certified Solutions Architect — Associate** (Expired)

## **Awards & Recognition**

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- **Formal Client Appreciation** — Thoughtworks, for seamless zero-downtime Kubernetes migration across 5+ enterprise clients
- **Performance Reward & Shout Out Award** — Deloitte, for on-time deliveries and independent client deployment management
- **Spot Award** — MavenWave (Atos), for exceptional client value delivery
- **Inspiring Performance Recognition** — Wipro, by Project Manager for highest project delivery count
- **“Pleasure Working With You” Badge** — Wipro, from Delivery Manager for on-time project deliveries

## **Education**

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**Bachelor of Technology — Computer Science & Engineering**

June 2018

JMIT, Kurukshetra University, Radaur, Haryana