

Shubham Sharma

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PROFESSIONAL SUMMARY

DevOps Engineer with 5+ years of experience designing, automating, and managing scalable, reliable multi-cloud infrastructure across AWS, Azure, and Google Cloud Platform (GCP). Expertise in cloud computing (IaaS, PaaS, SaaS), CI/CD pipeline development (Jenkins, GitHub Actions, ArgoCD), Kubernetes orchestration, Infrastructure as Code (Terraform, Ansible), Cloud Migration, DevSecOps, and Site Reliability Engineering (SRE) with SOC2 compliance. Spearheaded FinOps initiatives achieving 25–30% cloud cost reduction, delivered a government-approved SRED project, and implemented enterprise GenAI and Retrieval-Augmented Generation (RAG) solutions using Azure OpenAI. AWS Certified Solutions Architect and Microsoft Certified Azure Solutions Architect (5 Azure certifications) with proven expertise in stakeholder collaboration, troubleshooting, and cybersecurity.

TECHNICAL SKILLS

Cloud Platforms: Cloud Computing (IaaS, PaaS, SaaS) – AWS (EC2, S3, Lambda, RDS, VPC, Route53, CloudWatch, IAM, ECS, EKS, CDK), Azure (AKS, DevOps, App Services, Web Apps, Functions, SQL, VNet, PIM, Cognitive Services, OpenAI, Service Bus, Storage), GCP (Vertex AI, BigQuery, Cloud SQL, PAM)

Containerization & Orchestration: Docker, Kubernetes (K8s), AKS, ECS, EKS, Fargate, Helm, Container Registry (ECR/ACR), Virtualization

IaC & Configuration Management: Terraform, Ansible, AWS CDK, AWS CloudFormation, ARM Templates

CI/CD & Release Management: Jenkins, Azure DevOps Pipelines, GitHub Actions, GitLab CI/CD, ArgoCD, Git, Bitbucket, GitOps, Jira, Confluence, AWS CLI, Azure CLI, GCP CLI

Monitoring & Observability: Datadog, Grafana, Prometheus, Amazon CloudWatch, ELK Stack, Elasticsearch, FluentBit, Splunk, Telemetry

Security & Compliance: HashiCorp Vault, Boundary, Consul, Wiz, SOC2, DevSecOps, PIM/PAM, Incident Management, Vulnerability Assessment, Penetration Testing

Automation & AI: n8n, Slack Bots, GitHub Copilot, Claude Code, Azure OpenAI, GenAI, RAG (Retrieval-Augmented Generation), LLMs, Vertex AI, ServiceNow, Prompt Engineering

Programming & Scripting: Python, Bash/Shell, PowerShell, Go, C#, .NET, C++, Java, JavaScript, SQL, YAML, JSON

Databases & Messaging: Azure SQL, BigQuery, DynamoDB, PostgreSQL, MySQL, Redis, RabbitMQ, Kafka, SFTP

OS & Networking: Linux (Ubuntu, CentOS, RHEL), Windows Server, VPC, VNet, DNS, Load Balancing, Web Services, REST APIs, Nginx, n-tier Architecture

Methodologies: Agile/Scrum, SRE (SLA/SLO/SLI), SDLC, Cloud Migration, Infrastructure & Application Modernization, Change Management, Incident Management, ITIL, FinOps, Platform Engineering, On-Call, Documentation

Core Competencies: Problem-Solving, Troubleshooting, Debugging, Communication, Collaboration, Leadership, Coaching, Stakeholder Management, Ownership, Execution, Service Delivery, Customer Success, Risk Assessment, Strategic Thinking, Technical Writing, Data Analysis, Consulting, Growth

PROFESSIONAL EXPERIENCE

EllisDon Corporation

Mississauga, ON

DevOps Engineer

May 2023 – Present

- Architected and managed enterprise multi-cloud infrastructure across Azure, GCP, and AWS, supporting scalable and reliable production applications including sitelevelfinancial.com and Gate3 product with 99.9% uptime and high availability.
- Designed and built end-to-end CI/CD pipelines from scratch using Jenkins, Azure DevOps, GitHub Actions, and ArgoCD with GitOps workflows, enabling automated build, test, and deployment processes across multiple development teams and reducing release cycle time.
- Led cloud FinOps initiative by implementing Grafana cost dashboards with anomaly detection and data analysis across multi-cloud environments and Kubernetes clusters, generating weekly cost reports for stakeholders that achieved 25–30% reduction in overall cloud infrastructure spend.
- Led cloud migration initiatives including on-premises to cloud migrations, cross-cloud migration from AWS to Azure, and enterprise file storage migration from Egnyte to Nasuni, ensuring zero data loss, minimal downtime, and full Terraform IaC coverage across all migrated workloads.
- Spearheaded government-approved SRED (Scientific Research & Experimental Development) project, developing a Slack bot for automated snapshot lifecycle management of 120+ Linux VMs with one-command bulk create/delete operations and 7-day cleanup automation.
- Implemented Infrastructure as Code using Terraform and Ansible, automating VM provisioning, configuration management, and OS updates across 120+ Linux servers, and developed disaster recovery (DR) scripts, troubleshooting runbooks, and architectural documentation ensuring business continuity.
- Engineered secure SFTP data pipeline using SFTPgo for Scotiabank financial data ingestion to Azure Storage with end-to-end encryption, meeting banking-grade security standards, customer needs, and SOC2 compliance requirements.
- Managed Kubernetes (AKS) clusters and drove DevSecOps practices including SOC2 compliance, incident management, on-call rotation, Wiz vulnerability remediation, HashiCorp Vault/Boundary/Consul for secrets management and zero-trust access, and Azure PIM/GCP PAM for privileged access management.

- Architected and deployed enterprise GenAI/RAG solution using Azure OpenAI, Azure Cognitive Services, and LLMs for the data team, enabling AI-powered knowledge retrieval across organizational data pipelines and cloud data sources.
- Built automation workflows (n8n, Slack bots, Vertex AI) for automated ServiceNow ticket creation, draw.io diagram generation, and solo-managed Enforce Security Manager for FMS AS400; conducted POC evaluations for GitHub Copilot, Claude Code, and Grafana securing enterprise-wide adoption.
- Managed software license renewals with cost analysis and budget optimization, collaborated with Engineering and CIO teams on Service Catalogue development, and led cross-functional risk assessment across development, data engineering, construction, and finance teams.
- Mentored and coached junior engineers and co-op students, conducted technical interviews, and managed project tracking and documentation in Jira and Confluence.

CPOS Inc

Software Support Specialist

Vaughan, ON

January 2022 – April 2023

- Administered AWS cloud infrastructure including EC2, RDS, S3, VPC, IAM, Elastic Load Balancing, Auto Scaling, and Security Groups; participated in on-call rotation for incident response and escalation management, ensuring highly available and secure production deployments with proactive troubleshooting.
- Implemented and managed Continuous Integration/Continuous Delivery (CI/CD) pipelines using Jenkins, CircleCI, and Git-Lab, automating build, test, and deployment workflows for containerized microservices and web services applications.
- Deployed and orchestrated containerized applications using Docker, Kubernetes, ECS, and AWS Fargate with Terraform IaC; utilized serverless and event-driven architectures including Lambda, API Gateway, Step Functions, Kinesis, and FluentBit for performance monitoring and log aggregation.

Imi Ink Pvt. Ltd.

Software Development Engineer

Noida, India

January 2021 – August 2021

- Developed and deployed CI/CD pipelines, cloud-based web services, and Python backend applications in cross-functional Agile teams; engineered C++ multiplatform framework with debugging, data structures, and threading for distributed systems use cases.
- Optimized order fulfillment applications through performance tuning, root cause analysis, and code refactoring, increasing repeat customer orders and loyalty by 8%.

KEY PROJECTS

- **GenAI-Powered Incident Response & Runbook Automation (AIOps):** Built an AI-enhanced incident management system using Azure OpenAI and RAG pipeline with vector database to auto-diagnose Prometheus/Alertmanager alerts, correlate with past incidents, suggest remediation steps from indexed runbooks, and generate post-incident reviews via Slack bot with human-in-the-loop approval and confidence thresholds.
- **End-to-End DevSecOps Pipeline with Compliance Gates:** Engineered a CI/CD pipeline from commit to production using GitHub Actions with automated SAST (SonarQube), container scanning (Trivy), image signing (Cosign), OPA/Gatekeeper policy enforcement, SBOM generation, and HashiCorp Vault secrets injection, producing SOC2-compliant audit trails for regulated environments.
- **SRE Observability Platform with SLO-Driven Alerting:** Designed a full observability stack implementing metrics (Prometheus), logs (Loki), and traces (OpenTelemetry) with SLI/SLO definitions, error budget burn-rate Grafana dashboards, custom Go/Python exporters, and Alertmanager-driven automated runbooks for Kubernetes microservices.

EDUCATION

Centennial College	Scarborough, ON
Post Graduate Certificate, Cyber Security	September 2022 – March 2023
GPA: 4.3/4.5 Network Security, Cloud Security, Cryptography, Cyber Forensics, Ethical Hacking	
Seneca College	North York, ON
Post Graduate Certificate, Project Management – Information Technology	September 2021 – April 2022
GPA: 3.9/4.0	
University of Delhi	New Delhi, India
Bachelor of Computer Science	July 2018 – May 2021
GPA: 4.0/4.0	

CERTIFICATIONS

- **Microsoft Azure (5 Certifications):** Azure Solutions Architect Expert (AZ-305), Azure Security Engineer Associate (AZ-500), Azure Administrator Associate (AZ-104), Azure Developer Associate (AZ-204), Azure AI Fundamentals (AI-900) | *In Progress: Azure AI Engineer (AI-102)*
- **AWS:** Certified Solutions Architect – Associate | 10+ AWS Skill Badges: EKS, Serverless, Networking, Storage, Compute, Data Protection, Disaster Recovery, Migration, Well-Architected
- **Google:** Project Management Professional Certificate, Generative AI Leader | **IBM:** Cybersecurity Analyst Professional Certificate
- **Meta:** Back-End Developer Professional Certificate