

Ankush Patil

CLOUD ENGINEER

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PROFESSIONAL SUMMARY

Cloud Engineer with hands-on experience designing, securing and operating AWS and Azure infrastructure at enterprise scale. Background spans cloud architecture, cybersecurity and software engineering — with production-informed instincts built from investigating real security failures, building multi-AZ platforms from scratch and automating infrastructure at scale. AWS Certified Solutions Architect. Gold medallist, Skills Ontario 2026. Silver medallist, Skills Canada Nationals 2026.

CORE SKILLS

Cloud Platforms	AWS (SAA Certified), Microsoft Azure, Multi-AZ Architecture, Well-Architected Framework
Infrastructure & IaC	Terraform, CloudFormation, Kubernetes, EKS, ECS Fargate, Docker, Lambda, API Gateway
Security	CrowdStrike Falcon EDR, CyberArk, Splunk SIEM, Zero Trust, IAM, Incident Response, MITRE ATT&CK;
Networking	VPC Design, VPN, Firewalls, Network Security, Wireshark, DNS, Load Balancing
Automation & Dev	Python, PowerShell, Bash, GitHub Actions CI/CD, SQL, Log Analysis, Security Automation
AWS Services	S3, EC2, RDS Aurora, DynamoDB, CloudFront, WAF, KMS, CloudWatch, EventBridge, SNS/SQS, Step Functions

PROFESSIONAL EXPERIENCE

Cloud & Security Analyst Co-op

Intact Insurance | Toronto, ON | Jan 2025 – Apr 2025

- Administered enterprise endpoint and cloud security posture using CrowdStrike Falcon — managing asset visibility, sensor coverage and device compliance across large-scale corporate environments on AWS
- Investigated security misconfigurations and endpoint protection failures; performed root cause analysis and drove remediation including access control corrections, MFA enforcement gaps and cloud IAM policy review
- Reviewed and classified 130,000+ enterprise applications (100K Windows, 30K macOS) within CyberArk Application Control, identifying malicious and unauthorized software and enforcing least-privilege execution policies
- Produced monthly cloud and endpoint security compliance reports tracking control effectiveness and remediation progress for security leadership
- Supported L1/L2 incident triage and cross-team security operations workflows across cloud and on-premise environments

Software Engineer — Security-Focused Engineering

Persistent Systems | Pune, India | Feb 2022 – Jan 2023

- Monitored authentication, system and network logs using Splunk SIEM to detect brute-force attempts and anomalous access patterns across distributed infrastructure
 - Automated network exposure scanning using Python and PowerShell — identified unauthorized open ports and generated daily security posture reports for infrastructure teams
 - Implemented SQL Server Transparent Data Encryption (TDE) and role-based access control (RBAC), enforcing least-privilege data access policies at the database layer
 - Assisted incident response including server isolation via firewall rules, traffic analysis with Wireshark and post-incident security improvement initiatives
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SELECTED PROJECTS

House of North — Multi-AZ AWS E-Commerce Platform

Seneca Polytechnic Capstone | 2026

- Designed and deployed a production-grade multi-AZ e-commerce platform on AWS: ECS Fargate, RDS Aurora, ElastiCache, CloudFront CDN, WAF, KMS encryption and GitHub Actions CI/CD pipeline
- Implemented infrastructure as code using Terraform — full environment reproducibility with security-first architecture following the AWS Well-Architected Framework

Build Roulette — Cloud Engineering Platform

Personal Project | buildroulette.dev | 2025 – Present

- Designed a production-informed cloud engineering platform documenting real-world architectural decisions, security trade-offs and failure modes through Engineering Decision Records (EDRs)
- Conducted applied cloud security investigations across AWS and Azure — documenting misconfigurations, IAM design patterns and operational risk

Kubernetes on Amazon EKS with IRSA

Personal Project | 2025

- Deployed and managed an Amazon EKS cluster with IAM Roles for Service Accounts (IRSA) — enabling secure pod-level AWS permissions without long-lived credentials
- Configured Helm deployments and horizontal pod autoscaling; implemented network policies and least-privilege RBAC for cluster workloads

Azure Hybrid Infrastructure

Personal Project | 2025

- Built a hybrid cloud environment on Azure: Point-to-Site VPN, Azure Arc for unified management, Azure SQL, Cosmos DB, Zone-Redundant Storage and Azure Recovery Services backup

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Solutions Architect – Associate 2025
- AWS Certified AI Practitioner 2025
- AWS Certified Cloud Practitioner 2024
- Google Cybersecurity Professional Certificate 2024
- CrowdStrike Certifications — 28 across 7 domains (Falcon Platform, EDR, Threat Intelligence, Zero Trust & more) 2025
- Gold Medal — Skills Ontario 2026, Cloud Computing (Post-Secondary) 2026
- Silver Medal — Skills Canada Nationals 2026, Cloud Computing (Post-Secondary) — Representing Ontario 2026

EDUCATION

- Postgraduate Certificate — Cloud Architecture and Administration** 2025 – 2026
Seneca Polytechnic · GPA: 4.0 · High Honours
- Postgraduate Certificate — Cybersecurity** 2024 – 2025
Georgian College · GPA: 4.0
- Bachelor of Technology — Computer Engineering** 2019 – 2022
SVKM's Institute of Technology, Dhule