NITESH GHIMIRE

DevSecOps Engineer | Cloud Security & AI Automation

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PROFILE

DevSecOps engineer and team lead combining cloud-native security, offensive security expertise, and practical AI automation. Builds AI-powered tools for business processes, automated troubleshooting, and code review, alongside secure Azure and AWS platforms. Track record includes AKS clusters serving 50,000+ concurrent users, 40% better pipeline efficiency, and 30% lower Azure spend. CKA, PNPT, and Microsoft DevOps Engineer Expert certified.

PROFESSIONAL EXPERIENCE

Lead DevSecOps Engineer

Cognix Insights | Nov 2022 - Present

- Designed and operated AKS clusters serving 50,000+ concurrent users, with automated TLS, Gateway API routing, and Kubernetes Event-Driven Autoscaling (KEDA).
- Built DevSecOps-as-a-Service with SAST, DAST, and container scanning in Azure DevOps and GitHub Actions pipelines, improving pipeline efficiency by 40%.
- Built AI-powered utility apps and n8n/OpenClaw workflows for email triage, client onboarding and follow-ups, and ticket diagnosis and resolution.
- Integrated AI-driven automated troubleshooting and Git code-diff reviews into engineering workflows.
- Introduced Codex and Claude in the workplace and enabled OpenClaw adoption for AI-assisted workflows.
- Reduced Azure cloud spend by 30% through resource rightsizing, tagging, and automated policy remediation.
- Implemented CIS benchmarks and ISO 27001 controls to reduce compliance gaps and strengthen the security posture of cloud environments.
- Conducted threat modelling for fintech applications handling KYC and personally identifiable information, identifying risks early in the design process.
- Refactored monolithic systems into microservices to improve resilience and deployment speed.
- Performed penetration testing and vulnerability assessments, driving remediation of critical CVEs.
- Designed a disaster-recovery-ready enterprise network with IPSec and SSL VPN connectivity between internal and partner systems.
- Mentored six DevSecOps engineers and promoted security-first practices across engineering teams.

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EARLIER EXPERIENCE

Network & Systems Administrator

Network Store Pvt. Ltd. | Oct 2021 - Nov 2022

- Configured QoS, VPN tunnels, and firewall rules across MikroTik and Cisco infrastructure.
- Improved uptime by 25% through fault-tolerant network design and monitoring.

Part-Time Lecturer

Bajra International College | Aug 2022 - Mar 2023

- Taught networking and cloud fundamentals with an emphasis on secure system architecture.
- Delivered practical labs on firewalls, VPNs, and Linux server security.

TECHNICAL EXPERTISE

Cloud and infrastructure Azure, AKS, AWS, EKS, Kubernetes, Docker, Terraform, Helm

AI and automation n8n, OpenClaw, LLM workflows, business process automation, AI troubleshooting, Git diff review, Codex, Claude

CI/CD and GitOps Azure DevOps, GitHub Actions, Jenkins, Argo CD

Security and compliance Threat modelling, CIS benchmarks, ISO 27001, SAST/DAST, OWASP Top 10, incident response, digital forensics

Security tooling Nessus, Burp Suite, Metasploit, Sliver C2

Observability and scripting Prometheus, Grafana, Zabbix, Python, Go, Bash, PowerShell

Systems and networking Linux, Windows Server, PostgreSQL, MSSQL, IPSec/SSL VPN, enterprise network design

Delivery and governance ITIL-aligned operations, SDLC implementation, cross-team collaboration

CERTIFICATIONS

Certified Kubernetes Administrator (CKA) | CNCF

Practical Network Penetration Tester (PNPT) | TCM Security

Microsoft Certified: DevOps Engineer Expert

Microsoft Certified: Azure Administrator Associate

EDUCATION

BSc (Hons) Computer Networks Engineering

University of Northampton via NAMI College | 2018 - 2021

LANGUAGES

Nepali - Native | English - Fluent