

Dikshit Khandelwal

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WORK EXPERIENCE

Client Platform Engineer | Coinbase

July 2024 – Present

- Maintained a scalable endpoint and fleet management infrastructure for 6,000+ devices across macOS, Windows, iOS, and Android using **Jamf Pro**, **Microsoft Intune**, and **Google Workspace**, ensuring comprehensive, secure device management.
- Built and maintained GitOps-driven CI/CD pipelines for cross-platform application deployment (macOS/Windows) using **Munki**, **AutoPkg**, and **Python/Golang** scripts reducing deployment time by **80%** and saving **100+** team hours per quarter.
- Delivered security-first configuration management via **SaltStack**, employing modern Infrastructure-as-Code (**IaC**) and **GitOps** workflows to enable auditable, declarative fleet deployments at scale.
- Deployed and operationalized **osquery**-based fleet visibility, including development of custom osquery extensions for deep system monitoring, directly supporting the Endpoint Security and Incident Response teams.
- Deployed **Santa** fleet-wide for macOS binary monitoring and policy enforcement, and developed custom osquery extensions to collect execution metrics and integrate telemetry into the centralized **FleetDM** pipeline.
- Managed cross-cloud infrastructure (**AWS/GCP/Azure**) via **Terraform**, ensuring secure, scalable endpoint orchestration.
- Drove significant operational efficiencies through bespoke software development, including building and deploying a lightweight custom MDM platform via **NanoMDM** integrated with FleetDM for enhanced visibility.
- Built internal observability tooling on top of osquery and FleetDM telemetry, surfacing real-time metrics for endpoint health, compliance, and performance to support proactive incident detection.
- Founded the “Bravehearts” UAT and deployment validation program, which prevented major production incidents and improved software delivery reliability across environments.

Security Engineer Intern | Coinbase

May 2023 – August 2023

- Developed a Continuous Assurance Program utilizing the **Rego Language**, establishing **security policies** utilizing frameworks such as **NIST**, **ISO 27001**, **GDPR**, and **SOC 2** for 20+ AWS services (**EC2**, **S3**, **DynamoDB** etc.).
- Detected **3,000 organizational violations** rectified issues to main **Regulatory Requirements** and proper **Security Controls** and delivered engaging presentations to disseminate security concepts to diverse audiences.
- Demonstrated exceptional communication skills by collaborating with **stakeholders**, and **cross-functional teams**.

Security Researcher | CyberspACe securiTy and forensIcs lab (CACTI Lab)

May 2021 – Present

- Designed and implemented a platform leveraging **Docker** and **Kubernetes**, simulating attack scenarios against web applications to improve student skills in penetration testing and exploit development.
- Integrated scenarios based on MITRE ATT&CK framework to ensure realistic security challenges.
- Identified and assessed security vulnerabilities in PHP/C/C++ applications via thorough source code review, addressing key issues like injection flaws and buffer overflows to enhance application security and integrity.

Cybersecurity Analyst | Delaware North

May 2022 – May 2023

- Led the development of a Cybersecurity Threat Management program, integrating threat modeling and risk assessment practices to address vulnerabilities and followed industry best practices.
- Employed Qualys and CrowdStrike to conduct vulnerability scans across over 50 web applications and 2000+ endpoint devices, identifying over 100 vulnerabilities and improving threat response efficiency by 80%.

EDUCATION

University at Buffalo, The State University of New York

Buffalo, New York

Bachelor of Science in Computer Science with Honors | Minor: Cybersecurity | GPA: 3.6

May 2024

CERTIFICATIONS, AWARDS & INVOLVEMENT

Founder and President of the Cybersecurity Club at the University of Buffalo [UBSEC]

Certifications: CompTIA Pentest+ & Security+, OSWP

SKILLS

Languages: Go, Python, C/C++, Scala, Shell Scripting, JavaScript..

Operating Systems: Linux, MacOS, Windows, IOS

Security & Tools: Jamf Pro MDM, NanoMDM, FleetDM, Ansible, Kubernetes, Docker, Santa, Terraform, GitOps.

Cloud Platform: AWS, Google Cloud Platform (GCP), Azure

Fleet Management Tools: Saltstack, Munki, Autopkg, Osquery, Google Workspace,