

SHIVAM VAISHAMPAYAN

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EDUCATION

Indian Institute of Information Technology, Allahabad

Aug 2018 – May 2022

B.Tech in Electronics and Communication Engineering

CGPA: 8.34 / 10

TECHNICAL SKILLS

Key Areas: Platform Engineering | Distributed Systems | Cloud Native Security | Threat Modeling | Compliance

TECH STACK

- **Languages:** C, C++, Python, Golang, Java, JavaScript (Node.js), Typescript, Bash, SQL, Git
- **Infrastructure:** Terraform, Helm, Docker, Kubernetes, Linux, Mongo, Postgres, Redis, Kafka, ELK Stack

WORK EXPERIENCE

Sprinklr | Product Security (CloudSec + SecArch)

Jan 2024 – Present

Security Engineer / Architect

Gurugram, India

- **Architecture Reviews:** Embedded in product planning from inception, reviewed cloud and application designs for New Product Initiatives. Promoted Secure by Design patterns, IaC-based Infra provisioning, and proactive threat modeling.
- **LLM Security:** Built real-time inference pipelines for internal LLM workloads to mitigate prompt injection, jailbreaks, and indirect prompt chaining attacks. Integrated input sanitization, token-level filters, and red teaming feedback loops.
- **Bring Your Own Key (BYOK):** Architected tenant-isolated BYOK encryption framework across AWS, Azure, and GCP using envelope encryption patterns and dedicated KMS infrastructure per customer. Automated lifecycle operations including key provisioning, rotation, and revocation via service-linked IAM roles and event-driven workflows.
- **Iron Dome (Patch Management):** Designed Sprinklr's continuous patching framework for production containers and VMs. Codified baselines using Wiz, Lacework, and Upwind; integrated hardened AMIs & Golden Images into CI/CD.
- **Runtime Security:** Deployed eBPF-based threat detection agents across 22+ production accounts, monitoring syscalls, privilege escalations, and lateral movement. Integrated telemetry into SIEM pipelines for incident response.
- **DevSecOps Enforcement:** Implemented GitLab CI/CD enforcement for Secrets, SAST, SCA and IaC Security using TruffleHog, Entro, CyCode, and Semgrep. Hardened 50+ repositories with pre-commit hooks and MR auto-block logic.
- **CNAPP Integrations:** Led E2E integration of Wiz, Lacework, Upwind, Entro, and Cycode on 25+ cloud accounts spanning AWS, Azure & GCP. Automated triage handoff to MS Teams, Jira, OpsGenie, significantly improving SOC.

Urban Company | Core Platforms

Jan 2022 – Dec 2023

Software Engineer

Gurugram, India

- **Network Redesign:** Developed Terraform modules to set up AWS VPC components and EKS/ECS clusters from scratch. Migrated ArgoCD, Jenkins, Kafka, Prometheus alerting and ELK observability stack to the newly formed Infra.
- **Nginx Revamp:** Re-architected a stack of 30+ EC2 based NGINX servers using Emissary Ingress. Resulted in cost savings of around **40%**. Provides several other benefits such as rate limiting, load balancing, canary deployments etc.
- **Crypto Shredding:** Enabled irreversible PII deletion across 90+ microservices for 25M+ users using ephemeral key encryption. Ensured no sensitive data persisted unencrypted in MongoDB, RDS, Snowflake in production environment.
- **Vulnerability Management:** Solely managed bug-bounty program on HackerOne and PingSafe as CSPM. Resolved issues such as dependency confusion, IDOR, CSRF. Documented Secure Coding guidelines and Code Review checklists.
- **Recognitions:** Received **UC Champion & Rookie Rockstar** awards for outstanding contributions (*Q3 '22, Q1 '23*).

C3iHub, IIT Kanpur

May 2021 – Jul 2021

Summer Research Intern

Kanpur, India

- Contributed to a highly configurable automated reconnaissance framework using Open Source PenTesting tools.

CERTIFICATIONS

- **OSCP** – Offensive Security Certified Professional: Completed 24-hour hands-on exam and PWK labs.
- **CRTE** – Certified Red Team Expert: 48-hour exam covering advanced Active Directory attacks by Pentester Academy.
- **CSAW CTF & ESC:** Secured **2nd Rank in India** (CTF Qualifiers) and **Top 5 National Finalist** in the Embedded Security Challenge (ESC); qualified for the **CSAW World Finals** in both events, co-hosted by NYU Tandon & IIT K.