

SOUMITRA SAMANT

SECURITY ARCHITECT II

Akamai Technologies

CONTACT

- > soumitra.kishor@gmail.com
- > +91 7666672071
- > Goa, India
- > soumitrasamant.in
- > linkedin.com/in/soumitra-samant

EXPERTISE

- ◆ DDoS & Bot Mitigation
- ◆ WAF / OWASP Frameworks
- ◆ Cloud Security Architecture
- ◆ PCI DSS v4.0 Compliance
- ◆ Kubernetes & Container Security
- ◆ DNS / HTTP / SSL / Caching
- ◆ API Security

TECH STACK

Cloud & Platforms

AWS · Azure · GCP · Kubernetes · Docker

API Gateways

Kong · Apigee · F5

Standards

OWASP Top 10 · PCI DSS v4.0

Network Security

Firewalls (L3-L7) · SSL/TLS · TCP/IP · DNS · Micro-seg

Scripting & Tooling

Terraform · Python · Bash · Wireshark

EDUCATION

B.E. Computer Science

KLE Technological University
2017 - 2021

Fundamentals of Cyber Security

Tel Aviv University, Israel
Jul - Aug 2019

References & certifications available upon request

Professional Summary

Results-driven Security Architect II with 4+ years at Akamai designing and advising cloud-native security architectures for Fortune 500 and global enterprises. Deep specialization in API security, DDoS Mitigation and Advanced Bot Management, translating real-world threat intelligence into scalable, compliance-ready defenses. Proven track record protecting organizations against DDoS, bot-driven abuse, and API exploitation while enabling secure cloud adoption and PCI DSS v4.0 readiness.

Professional Experience

Security Architect II — Professional Services

Apr 2025 - Present

Akamai Technologies

- ▶ Lead API security deployments for enterprise clients on Kubernetes, Docker, APIGEE, and Kong.
- ▶ Architect multi-layered cloud security solutions (L3-L7) combining global firewalls, WAF, DDoS detection and Bot mitigation at the edge, significantly reducing service disruption during active incidents.
- ▶ Design incident-driven DDoS and bot mitigation strategies leveraging real-time traffic analysis, adaptive rate controls, and ML-powered behavioral analytics to maintain SLA availability under high-volume attacks.
- ▶ Lead PCI DSS v4.0 readiness engagements — map architectural controls to compliance requirements, validate evidence, and recommend design improvements balancing regulatory obligations with operational scalability.
- ▶ Serve as trusted security advisor to cloud teams, security operations, and platform engineers, translating complex threat intelligence into actionable security design decisions.

Security Architect — Professional Services

Oct 2023 - Apr 2025

Akamai Technologies

- ▶ Architected, configured, and optimized multi-layered security solutions spanning L3-L7 for diverse enterprise environments, with particular strength in global firewall infrastructure.
- ▶ Implemented advanced DDoS mitigation strategies using pre-emptive detection and real-time response to ensure uninterrupted availability across high-traffic platforms.
- ▶ Developed Web Application Security frameworks aligned with OWASP Top 10, securing applications against injection, auth bypass, and data exposure vulnerabilities.
- ▶ Deployed malware protection mechanisms leveraging heuristic analysis and threat intelligence feeds to neutralize threats before system impact.
- ▶ Executed advanced bot detection and mitigation strategies using ML-based behavioral analytics and fingerprinting to reduce automated abuse and credential stuffing.

Cloud Support Engineer

Oct 2022 - Oct 2023

Akamai Technologies

- ▶ Provided 24x7 Tier-2 support for Akamai's full web and security product suite; resolved site-down incidents involving DNS, network delivery, SSL/TLS failures, and origin connectivity.
- ▶ Performed deep-dive analysis using TCP traceroutes, Wireshark packet captures, and HTTP/S header inspection to diagnose L3-L7 issues.
- ▶ Automated log analysis and troubleshooting workflows with Bash and Python scripting; monitored Security dashboards and escalated high-severity threats.

Technical Solutions Engineer Associate

Aug 2021 - Sep 2022

Akamai Technologies

- ▶ Resolved complex DNS issues including AXFR zone transfers, primary/secondary server configuration, and propagation failures.
- ▶ Implemented DNS-level and application-layer load balancing using cookies, headers, path-based routing, and custom variables.
- ▶ Collaborated cross-functionally with Security Architects, Engineering, Operations, and Account Management to resolve enterprise post-sales technical challenges.

Education & Training

B.E., Computer Science

2017 - 2021

KLE Technological University, India

- Developed an Enterprise Image Retrieval System for Samsung Research Institute, Bangalore.
- Built a secure File Sharing Portal for Goa Shipyard Limited (Ministry of Defense).
- Founded CyberKLE, an on-campus IT security community focused on applied security research.

Fundamentals of Cyber Security (3-credit)

Jul - Aug 2019

Tel Aviv University, Israel

- Immersive coursework in cyber security fundamentals with site visits to Checkpoint Software Technologies and Synamedia Ltd.