

ANUPAM MEHTA

PRODUCT SECURITY ENGINEER

Leesburg, Virginia | [linkedin.com/in/amehta22](https://www.linkedin.com/in/amehta22)

PROFESSIONAL SUMMARY

Product Security Engineer with 12+ years of experience driving secure design, threat modeling, cloud infrastructure security, DevSecOps, and software supply-chain security across global organizations. Trusted partner to product and infrastructure teams, translating complex risk into practical engineering decisions and scalable guardrails from concept to production.

CORE EXPERTISE

Product Security • Threat Modeling • Security Architecture • Cloud Infrastructure Security • Software Supply Chain • DevSecOps • Secure SDLC • Risk Management • Security Automation

PROFESSIONAL EXPERIENCE

Product Security Engineer | Stripe

October 2024 - Present | Product and Infrastructure Security

- Lead end-to-end product and infrastructure security reviews for core financial systems, aligning engineering designs with security principles and compliance objectives.
- Assess software supply-chain integrity across source, build, third-party dependencies, and deployment pipelines.
- Partner with engineering and platform teams to embed secure design patterns and improve early threat detection.
- Develop automation and standardized threat-modeling approaches that scale reviews without slowing product delivery.

Principal Product Security Engineer | Salesforce

December 2019 - October 2024 | Cloud, Infrastructure, Product, and Supply-Chain Security

- Led security architecture and threat modeling for foundational services supporting large-scale public-cloud migrations.
- Designed software supply-chain controls spanning source code management, CI/CD, third-party packages, and artifact storage.
- Developed an internal service for safe consumption of third-party packages across a large engineering ecosystem.
- Partnered with product, infrastructure, and systems teams to create secure-by-default foundational services used by thousands of engineers.

Senior Security Consultant | Cigital / Synopsys

February 2014 - December 2019 | Cloud, Application, Infrastructure, and DevSecOps Security

- Performed architecture risk analysis, threat modeling, AWS configuration reviews, and application security assessments for global clients.
- Integrated SAST, DAST, SCA, network scanning, and defect-management tools into CI/CD and DevSecOps workflows.

- Developed cloud and DevSecOps training environments using Terraform, Docker, and AWS.
- Delivered web application, network, thick-client, and web-services assessments with actionable remediation guidance.

SELECTED PUBLICATIONS

Practical Istio - Learn Istio Service Mesh, Microservices, and Cloud-Native Architecture for Optimal Performance. Apress, 2025. Co-author. [View book](#)

Your Digital Shield: A Practical Guide to Online Security - Accessible guidance for everyday online security and privacy. Co-author. [View book](#)

Integrating Security into MLOps: A Framework for Risk Mitigation - IARJSET, 2024. DOI: 10.17148/IARJSET.2024.111025. [Read paper](#)

Software Supply Chain Security - Core Systems and Security Guidelines - Science and Technology, 2024. DOI: 10.5923/j.scit.20241402.03. [Read paper](#)

Demystifying Evaluation Framework for Modern AI Security Tools - Science and Technology, 2024. DOI: 10.5923/j.scit.20241402.01. [Read paper](#)

The Role of the Zero Trust Security Model in Cybersecurity - EC-Council whitepaper, 2024. [View whitepaper](#)

Chatbots in the Exploitation Phase: Navigating AI-Powered Cyber Threats - Hakin9, AI & Exploit Development. [View publication](#)

TECHNICAL SKILLS

Programming & automation: Python, Groovy, JavaScript, Ruby, Go, C#, C/C++, Infrastructure as Code

Cloud & platforms: AWS, Terraform, Docker, Kubernetes, Helm, Open Policy Agent

Security domains: Threat Modeling, Secure SDLC, Software Supply Chain Security, DevSecOps, Cloud Security, Architecture Review, Risk Assessment

EDUCATION

Master's in Security Informatics (MSSI) | Johns Hopkins University | 2012 - 2013

Bachelor's in Information Technology | Vellore Institute of Technology | 2008 - 2012

SPEAKING & TEACHING

Academic engagements with Johns Hopkins University and Vellore Institute of Technology covering cybersecurity careers, professional practice, cloud-native security, and cybersecurity foundations.

RESEARCH INTERESTS

Secure retrieval-augmented generation, MLOps security, AI-assisted threat modeling, software supply-chain security, and the balance between security assurance and deployment velocity.