

MARK CHAMPINE

Security Architect

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🐦 @machampine



EXPERIENCE

Principal Security Architect

Akamai Technologies

📅 January 2013 – Ongoing 📍 Cambridge, MA

- Established and led Akamai web portal security team
- Portal Architecture Review Board - Security Lead
- Established secure software development lifecycle and standards
- Created and led vulnerability management program
- Security expert consultation - design, implement, deploy
- Performed annual security maturity assessment (OpenSAMM)

Security and Platform Architect

Kronos

📅 2004 – 2012 📍 Chelmsford, MA

- Architected Security, Authentication, and Authorization services
- Led engineering-wide process improvement programs: Security Ninjas, Secure SDLC, security education, security code reviews
- Architected Platform Technology stack

Systems Architect

IBM/Lotus/Iris

📅 1998 – 2004 📍 Westford, MA

- Led team of 10 developing SMIME and X.509 Certificate management
- Requirements, High level design - Notes User Security Panel
- Enhanced Notes TLS Stack and CA features and compatibility

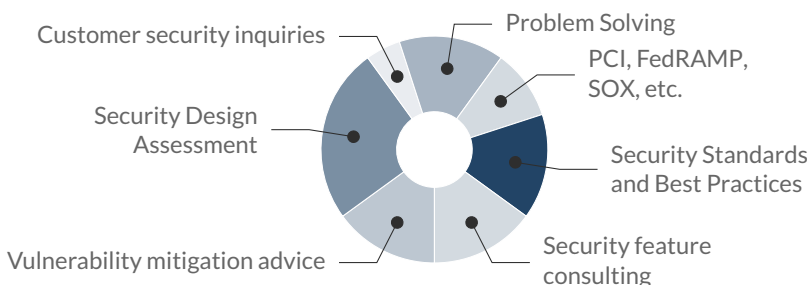
Software Engineer

Hewlett-Packard

📅 1988 – 1998 📍 Chelmsford, MA

- Elliptic Curve Cryptography library development and applications
- Contributor, W3C Digital Signature Initiative
- Tech lead, HP Praesidium Security Service development
- Tech lead, CORBA interop suite

ROLE BREAKDOWN



SECURITY APPROACH

“Cost-efficient security, scaled to business needs. Built in, not bolted on.”

ACHIEVEMENTS



Innovation

Highly successful Security Ninja Program. Early adopter OSS security governance. Co-Inventor: U.S. Patent 7949880, with Charlie Kaufman



Persistence

Eradication of high-severity systemic security flaws across multiple business units



Effectiveness

Turned around division from failing grade on security to company reference success story

STRENGTHS

Deep Security Domain Experience

Effective collaboration style

Creative & Innovative

Web Application Security OWASP

Security Testing Tools Cryptography

Secure SDLC CI/CD/DevOps TLS

Threat Modeling REST Agile

LANGUAGES

Clojure

Java

C/C++



EDUCATION

M.S. in Computer Science

Boston University

B.S. in Computer Science

University of Minnesota