

# MARK CHAMPINE

## Security Architect

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🐦 @machampine



## EXPERIENCE

### Principal Security Architect

#### Akamai Technologies

📅 January 2013 – April 2019    📍 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

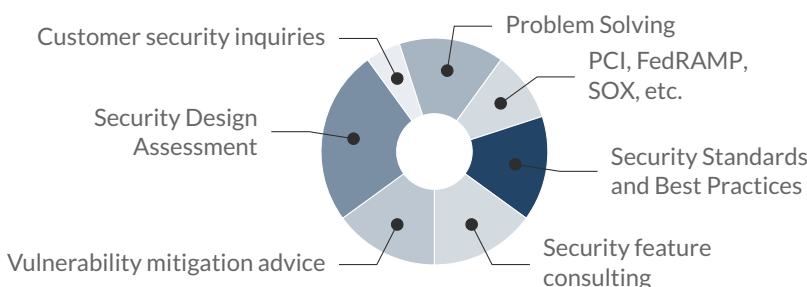
### Software Engineer

#### 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