

# Joshua Koike

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## Experience

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### Security Consultant, Deja vu Security

September 2021 - Present

Conducted security assessments of products for major tech companies, conducted internal research and lead development of internal hardware training processes and standards.

Defined technical delivery standards, managed resource skill planning, scoped, scheduled and provided oversight as the primary technical lead on a high-complexity workstream.

Focuses in:

- Embedded Hardware Security
- Web Application Security
- Secure Design and Architecture Review

### Security Engineer, AWS Lambda

July 2020 - September 2021

Contributed security domain expertise, drafted security-related customer messaging and managed organization-wide security campaigns.

### Embedded Security Engineer, Amazon Prime Air

Aug 2019 - July 2020

Managed security assessments for hardware and firmware components at Amazon Prime Air.

### Security Consultant, Deja vu Security

Jan 2019-Aug 2019

Conducted security assessments of products for major tech companies, conducted internal research and lead development of internal hardware training processes and standards. Organized and managed bi-weekly hardware research and training sessions.

Focuses in:

- Embedded Hardware Security
- Serverless Application Technologies
- Single Page Web Application Security

### Associate Security Consultant, Deja vu Security

2017-2018

Conducted security assessments of products for major tech companies.

Focuses in:

- REST API Security

## Skills

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- Embedded Security Assessment
  - Bus protocol analysis (I2C, SPI, LPC, etc)
  - ARM assembly and CPU configuration (Cortex M/A)
  - Trusted Enclave Architectures
    - ARM TrustZone
    - Intel SGX
- Mobile Security Assessment
  - Dynamic analysis (Frida)
    - Android
  - Disassembly/Reverse Engineering
    - Android
- Programming
  - Python, Java, C, Rust, Kotlin, Assembly (AArch64, AArch32, x86)
- Operating System Internals
  - Linux (Debian based), Android, ChromeOS, iOS