

I'm a staff security engineer focused on designing excellent, human-centered systems through first-principles thinking and iterative execution. I work across teams to help organizations navigate complex security risks, shaping architectures, and enabling others to deliver resilient solutions.

## Experience

### STAFF SECURITY ENGINEER (ICT5) APPLE

2020-06 TO PRESENT

As a founding member of the Apple Services Engineering Security team, I helped engineers architect around risks to protect billions of users.

#### Key Accomplishments:

- Lead the security program for Apple's internal on-prem and multi-cloud infrastructure platform that provided secure building blocks for developers across Apple with a focus on: IAM services, multi-tenancy, credential management, leadership readouts, and industry benchmarking.
- Developed the security review program to threat model Apple services and features
- Lead security efforts for the infrastructure behind Xcode Cloud
- Built an API to track security criticality and maturity across ~1,000 services
- Reviewed numerous internal and external services, including: Apple Business Essentials, Schoolwork, Vision Pro, iCloud & Developer Console, Passkeys, APNs

### SENIOR PRODUCT SECURITY ENGINEER TABLEAU/SALESFORCE

2017-08 TO 2020-05

I drove the security program for Tableau's customer-facing, production services.

#### Key Accomplishments:

- Architected and lead a cross-company production access management redesign
- Wrote a security "state of the union" report reviewed by C- and VP-level executives that was used as the foundation for creating the Tableau Online security program
- Represented security on multiple cross-company advisory groups; taught operational security principles at an lead engineers' offsite; twice spoke at Tableau conference
- Built a static analysis tool for Terraform to identify security issues in the CI/CD pipeline

### INFORMATION SECURITY ENGINEER TABLEAU

2014-12 - 2017-08

Within Tableau's Information Security team I was responsible for operational security. I primarily worked with the teams running our corporate systems to ensure they were adequately secured, and lead security incident response.

*Key Accomplishments (Tableau):*

- Defined and ran the program for: secure AWS usage, security reviews, incident response, and risk tracking
- Redesigned and implemented the corporate Public Key Infrastructure (PKI), managed corporate SSO platform

**EC2 SECURITY ENGINEER AMAZON WEB SERVICES (AWS)**

**2012-10 – 2014-11**

As a security engineer for one of the largest cloud providers in the world, I was responsible for improving our incident response capability, implementing projects to make AWS' Elastic Compute Cloud (EC2) more secure for our customers, and acting as the EC2 point of contact for the AWS Compliance team. I've built scale into every process, automating relentlessly.

*Key Accomplishments:*

- Automated a manual review process of privileged commands run by EC2 engineers
- Committed over 60k lines of code to automate common incident response, reporting, and abuse handling tasks
- Represented EC2's technical controls in four SOC 2 and two PCI audits with no findings

**SECURITY CONSULTANT ACCENTURE**

**2010-08 TO 2012-09**

Working within Accenture's Identity and Access Management (IAM) Security practice, I designed and implemented enterprise-wide security technologies such as endpoint protection and PKI. I was part of a small group working directly with the CISO of a civilian federal department. Through my time with Accenture, I've learned how to quickly build relationships, learn security technologies, and apply them to meet the business and compliance needs of a large organization.

## Education

University of Washington, Seattle, WA – BS, Informatics

**2010**

Clark College, Vancouver, WA – Associate in Arts

**2007**

## Talks

Securing Tableau Online: Protecting Data as a Service - Tableau Conference 2019

Data-driven Security at Tableau - Tableau Conference 2016