

## WORK EXPERIENCE

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### ASAPP

**Oct 2018 - Present***Senior Security Manager**San Francisco, CA*

As ASAPP's first security engineer, I led the maturation of ASAPP's Security Program as ASAPP tripled in employees, added international offices, and doubled the number of customers. After leading through a technical role I transitioned into leadership of the Security Engineering team, growing it to a diverse 7 person team with a majority based in Argentina and responsible for Application Security, Infrastructure Security and Incident Response. From unglamorous grunt work of tying applications back to SAML auth to high level policy and process I've done whatever was necessary to consistently improve ASAPP's security posture and maturity.

- Architected and implemented ASAPP's Identity and Access Management. Killed off Windows Active Directory, AWS static keys on laptops, and trust model centered on the NYC headquarters network for a zero trust design rooted in Okta, AWS STS and strong 3 factor auth.
- Authored and ratified Vulnerability and Patching SLAs through consensus based process with Engineering
- After transitioning to management, I hired and built the Application Security function and Secure Software Delivery Lifecycle for ASAPP including security reviews, mandatory self service threat model process for developers, dependency vulnerability scanning across all codebases, and continuous external vuln scanning.

### LendingClub

**Aug 2014 – Oct 2018***Senior Security DevOps Engineer**San Francisco, CA*

Starting out as a Linux SysAdmin I got my hands dirty on every layer of LendingClub's infrastructure, from high-level synthetic monitoring to dropping raw hardware onto racks. After gaining operations experience, I started a new team to focus exclusively on paying down security technical debt in LendingClub's infrastructure while responding to security incidents and operational issues across our hybrid datacenter and AWS infrastructure.

- Fully deprecated an unmaintained WAF to a new solution that enabled a guarantee of 100% WAF coverage of all public properties, faster signature updates, and automation of a manual IP blacklist process
- Designed and implemented full datacenter and AWS OSQuery coverage with Kolide Fleet
- HTTP security headers: I preloaded HSTS and architected a developer empowering CSP program

### e-ITguy.com

**Feb 2010 – Aug 2014***Linux Administrator**Willmar, MN*

I started my own freelance company for businesses needing remote Linux administration help. Clients included:

- Web Weaver Elite, a 1500+ dedicated turnkey Wordpress hosting provider,
- ChinaSoft, a web development firm split between Denmark and China
- SoftNAS, provider of network attached storage (NAS) virtual machines.

## EDUCATION & CERTIFICATIONS

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### GIAC Certified Incident Handler (GCIH)

**July 2017**

### Grinnell College

**May 2009***BA in Mathematics and Economics**Grinnell, IA*

## COMMUNITY

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- Presenter and Volunteer at BSidesSF
- SANS Community Mentor

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