

John Adams

Security /
Operations

John N. Adams

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Skills

Seasoned security and web operations veteran with over 25 years experience scaling and securing the Internet. Member of multiple advisory boards and strong supporter of Internet Freedom and Privacy.

Languages: C, Python, Go, Javascript, PHP, Perl, Many Shell/Unix Variants.

Experience

Bolt, Inc. / Director of Security (2 years)

JANUARY 2015 - MARCH 2017 SAN FRANCISCO, CA

First security employee of early payments and bitcoin startup. Set policy for all security issues related to the payments industry, user privacy, and compliance (PCI, ISO27001/27002, SAS70), passing PCI compliance in the first year. Built and architected new operations infrastructure on AWS, using Terraform, Ansible, Ubuntu, OpenIDM, and Kubernetes.

Eero / Consultant

SUMMER 2014, SAN FRANCISCO, CA

Designed cryptosystem, secure registration, and transparent PKI infrastructure for consumer use. Eero is a WiFi mesh network router and network extender now shipping and for sale in many retail stores.

troupeit.com / CEO, Founder, Full-Stack Developer

MARCH 2012 - PRESENT, SAN FRANCISCO, CA

Founded an online conference and stage / media management system, written in React, Javascript, Go, and Ruby On Rails. The company currently has over 1500 subscribers and is self sufficient financially. The software has been used at large festivals and at Las Vegas casinos to coordinate events.

Twitter / Security Team Lead (3 years)

MAY 2009 - MARCH 2012, SAN FRANCISCO, CA

Founded and lead a team of security engineers, working closely with many teams - Network Security, IT, Application Security,

Executives, and Twitter's Command Center (TCC).

As team lead for Twitter's first security team. I worked on SSL performance at scale (bringing Twitter to 100% SSL), PCI compliance, IT policy, cryptography, XSS/CSRF defense, malware defense, penetration analysis, security policy, security reviews, code reviews in Ruby/Rails, Java, Scala, PHP, Go, Python, and C. Took company through audit and IPO process, to publicly traded entity. Defended company through patent and other disputes. Led security orientation trainings for new hires.

Twitter / Senior Operations Engineer (3 years)

FEBRUARY 2006 - MAY 2009, SAN FRANCISCO, CA

Founding member of Twitter's operations team. Scaled Twitter from 50k users to many millions of users, developing some of the early principles of web operations, configuration management, and reliable deployments through careful application of configuration management tools (Puppet, python, bash, other), metrics, and capacity planning. This is now known to the industry as "DevOps."

Applicable technologies: Linux, Ruby on Rails, Puppet, Java, Scala, Python, DNS, SSL, many others.

Additional employment experience available upon request.

Other Affiliations

Open Technology Fund (2015-present)

Advisory Board Member and Rapid Response Team

Responsible for reviewing grant proposals, which utilize US government funds to foster democracy and support Internet Freedom efforts worldwide.

The Ides of DEF CON (August 2016 - August 2017)

Founder, Project lead. <https://dc25spqr.com>

Raised \$30,000 in funding on Kickstarter and direct sponsorships and lead a team of five people in building a wearable "badge" which implemented a RPG style, multiplayer radio-based game that people could play while at the conference. I designed the PCB, all electronics, game protocol, and the game software itself. Written in C and ARM Assembler. Managed entire project from start to finish, working with Chinese and American suppliers and delivered 225 working units in under a year.

Publications

(authored / contributed to)

O'Reilly Incident Management for Operations (2017)

O'Reilly Web Operations (2010)

Conferences

DEF CON 25 (Las Vegas 2017)

#badgelife Panel Discussion

Hack in the Box (Amsterdam 2016) - Keynote Speaker

“FBI vs. Apple”

Web 2.0 Expo, SF 2010

Billions of hits: Scaling Twitter

O'Reilly Velocity (Santa Clara 2009, 2010, 2011) Keynotes

“In the Belly of the Whale: Scaling Twitter”