

JONATHAN DONAS

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EXPERIENCE

- Amazon**
Sr. Software Engineer
Oct 2023 – Present
Software Engineer
July 2019 – Sep 2023

Overall
 - API Bar Raiser - wrote AWS-wide API design standards, reviewed and approved dozens of new service launches, and advised on hundreds of new AWS API features
 - Interviewed, mentored, and helped promote dozens of engineers within my team and org**AWS KMS**
 - Engineering lead for the KMS control plane team - key lifecycle APIs used by 100k+ customers
 - Designed and led development of Import Key Rotation - a #1 customer-requested feature
 - Implemented internal security feature integrations with services like S3 and EC2**AWS Signer**
 - Engineering lead for Windows, Android, Apple, Lambda, and Container code signing services
 - Designed and led development of:
 - Container image signing and revocation - Signer's most-used public feature
 - SSM command and document signing - a significant cross-org collaboration
 - KMS-backed certificate service that manages signing keys for Amazon's mobile applications
 - 100k+ TPS signing and revocation service for distributed mobile application updates
 - Optimized AWS Signer's compute resources to save \$1.2 million/year in expenses
- Apple**
Software Eng Intern
May 2018 – Aug 2018

Apple Pay Security
 - Developed the iOS system daemon used in the Apple Card credit application process
 - Built a Swift iOS application for internal end-to-end testing of the Apple Card signup workflow
- Uber**
Software Eng Intern
May 2017 – Aug 2017

Threat Operations
 - Implemented monitoring that expanded the scope of internal abuse detection by 45%
 - Refined detection signatures that reduced inbound false-positive alerts by 28%
- Difenda**
Security Eng Intern
May 2016 – Aug 2016

Cyber Intelligence & Digital Forensics
 - Wrote a Python web crawler to index the dark web for potentially-leaked customer data
 - Implemented a scalable distributed port scanner with AWS EC2

EDUCATION

Univ. of Waterloo Bachelor of Computer Science with Business Option

SKILLS

Security Applied Cryptography - Encryption, Code Signing, Public Key Infrastructure | Penetration Testing
Systems API Design | Highly Scalable/Available Systems | AWS - Compute, Storage, Networking, Serverless
Programming Object-Oriented Programming - Java & Python | Full software development lifecycle

CERTIFICATIONS

OSCP Pentesting - Offensive Security Certified Professional
CCNA CO & RS Networks - Cisco Certified Network Associate: Cyber Ops, Routing & Switching

PROJECTS Visit www.jondonas.com