

# JONATHAN DONAS

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## EXPERIENCE

### CrowdStrike

Sr. Software Engineer

June 2025 – Present

#### Project Kestrel

- Currently building Project Kestrel, part of the Falcon Platform

### Amazon

Sr. Software Engineer

Oct 2023 – May 2025

Software Engineer

July 2019 – Sep 2023

#### AWS Key Management Service (KMS)

- Engineering lead for the KMS control plane API team - 5m+ TPS key encryption and signing APIs used by 100k+ customers with \$400m+ annual revenue
- API Bar Raiser - reviewed and approved multiple new AWS service launches, influenced service launch strategies at the director-level, and advised on hundreds of new AWS API features
- Designed and led development of multi-region key rotation for customer-imported encryption key material - KMS' #1 customer-requested feature for multiple years
- Collaborated with S3, EC2, EBS, and other foundational services to implement internal API authorization and IAM security controls

#### AWS Signer

- Engineering lead for industry-first code signing, certificate management, and revocation features
- Designed and led development of:
  - OCI 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 commercial mobile apps
  - 100k+ TPS signing and revocation service for globally distributed mobile app 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 internal systems monitoring that doubled the scope of abuse detection
- Refined security incident detection signatures that reduced inbound false-positives by half

## EDUCATION

Univ. of Waterloo

Bachelor of Computer Science with Business Option

## TECHNICAL INTERESTS

**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