

## Contact

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## Education

### B.S. Computing Security

Rochester Institute of  
Technology  
2012-2014

### B.F.A. Film and Animation

Rochester Institute of  
Technology  
2009-2013

## Skills

### Languages & Development

Python TypeScript Go Bash  
React

### Security Engineering

Security Automation  
Secrets Detection DAST/SAST  
Vulnerability Management  
API Security

### Infrastructure & Tools

AWS GCP Docker

# Jon Barber

## Security Engineer

I'm an engineer who combines software architecture expertise with deep offensive security knowledge to build scalable security platforms and tools. I specialize in creating developer-friendly automation that tackles complex security challenges, with particular focus on secrets detection and secure development workflows. I thrive on understanding how systems can be exploited, then turning those insights into elegant, automated solutions.

## Experience

### Senior Security Engineer - Cruise

2020-Present

- Architected and implemented company-wide security automation platform that unified asset inventory, vulnerability scanning, and remediation workflows across hundreds of services and thousands of assets
- Built and maintained comprehensive scanning infrastructure covering DAST, SAST, secrets detection, and TLS compliance, working closely with engineering teams to achieve full coverage while minimizing friction
- Led successful implementation of shift-left security controls including automated pre-commit checks and PR-time scanning, significantly reducing exposure of sensitive data
- Performed detailed security assessments of critical services, helping teams identify and remediate complex vulnerabilities while maintaining engineering velocity

Kubernetes

CI/CD

## Security Tooling

Semgrep

CodeQL

Nuclei

Gitleaks

Custom Security Tools

## Architecture & Design

Security Architecture

System Design

Security Program Development

Threat Modeling

## Modern Development

LLM Integration

Developer Experience

Security Automation Frameworks

Modern Web Security

## Security Engineer - Facebook

2017-2019

- Identified, fixed, and prevented security and privacy flaws in Facebook's family of products through code review, security assessments, and improved static analysis tooling
- Led Seattle bug bounty program including managing program health, payouts, and live events while serving as Facebook panel member for Internet Bug Bounty
- Drove creation of Private Bounty Program and security documentation while collaborating cross-functionally with development teams, legal, and communications

## Senior Security Consultant - NCC Group

2015-2017

- Led web application security assessments for Fortune 100 tech companies, managing teams of 2-4 consultants
- Performed penetration tests and code reviews across web applications, mobile apps, and network infrastructure
- Conducted independent security research resulting in an internal tool, Blackhat Arsenal presentation, and ToorCon talk