

## SUMMARY

Highly experienced Staff Software Engineer with 9 years of experience in Security, specializing in threat modeling and mitigation strategies, with a proven track record of implementing secure coding practices and reducing vulnerability risks by up to 30% in production systems.

## EXPERIENCE

### Staff Software Engineer

CyberSecure Inc, 2018–Present

- Designed and implemented threat modeling practices, reducing average response time to security incidents by 25%
- Led the development of a security information and event management (SIEM) system using ELK Stack, resulting in a 40% increase in threat detection accuracy
- Collaborated with the compliance team to ensure adherence to industry standards, such as PCI-DSS and HIPAA, and achieved 100% compliance in the last 3 audits
- Mentored junior engineers in secure coding practices and conducted regular code reviews to ensure high-quality, secure code

### Senior Software Engineer

SecureNet LLC, 2015–2018

- Built and maintained multiple security-focused products, including a web application firewall and an intrusion detection system, using technologies such as Python, Java, and C++
- Worked closely with the DevOps team to implement continuous integration and continuous deployment (CI/CD) pipelines using Jenkins and Docker, resulting in a 50% reduction in deployment time
- Participated in a hackathon and developed a proof-of-concept for a machine learning-based threat detection system, which was later integrated into the company's product offerings

## PROJECTS

### Threat Modeling Toolkit

Personal Project, 2020

- Developed a comprehensive threat modeling framework and toolkit using Python and GraphQL, which has been adopted by multiple organizations
- Created a set of APIs and data visualizations to help security teams identify and prioritize potential threats, resulting in a 20% reduction in risk exposure
- Published a research paper on the effectiveness of threat modeling in reducing security incidents, which was presented at a major industry conference

### Security Awareness Training

Open-Source Project, 2019

- Contributed to the development of a security awareness training platform using React and Node.js, which has been used by over 10,000 users
- Designed and implemented a set of interactive training modules and quizzes to educate users on security best practices, resulting in a 30% increase in security awareness among users

## TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript  
Frameworks: Django, React, Angular  
Cloud: AWS, Azure, GCP  
Tools: Git, Docker, Jenkins, Kubernetes  
Databases: MySQL, MongoDB, PostgreSQL  
OS: Windows, Linux, macOS  
Security: Threat Modeling, Penetration Testing, Vulnerability Assessment, Compliance (PCI-DSS, HIPAA)

## EDUCATION

Master of Science in Computer Science, Stanford University, 2015  
GPA: 3.9/4.0  
Relevant Courses: Computer Security, Cryptography, Machine Learning, Data Mining  
Bachelor of Science in Computer Science, Massachusetts Institute of Technology, 2010

GPA: 3.8/4.0

Relevant Courses: Algorithms, Data Structures, Computer Systems, Networking