Jeff Jarmoc

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OBJECTIVE

To advance my career in Application Security through a position which allows me to contribute to security of software used broadly across the Internet. To partner with Engineers at all stages of the software development lifecycle through consultative design collaboration, thorough code reviews, and adversarial testing of software security. To maintain focus on eliminating classes of insecure behaviors rather than individual instances of flaws. Maintain a spirit of camaraderie, pragmatism, and open mindedness to guide these efforts.

PROFESSIONAL EXPERIENCE

March 2022, - Feb 2025

Staff Product Security Engineer, GitHub, INC.
— Performed hands on application security testing for many flagship features and products
— Assisted incident response teams in investigating root cause of incidents
— Worked with bug bounty team in guiding remediation of identified vulnerabilities
— Performed root cause analysis and variant analysis of vulnerabilities, significantly increasing scope and thoroughness of remediations
— Led third party assessment program including defining scope of projects, contract negotiation, and managing consultants throughout

March 2017 – Current

Review Board Member, Blackhat USA Conference
— Nominated and invited by Review Board peers.
— Review Call for Proposals submissions, and vote on presentations to accept
— Shape industry trends through determining focus areas and featured presentations.
— Provide feedback and critique to presenters and would-be presenters.

October 2015, - March, 2022

Lead Product Security Engineer, Salesforce, INC.
— Discovered and guided remediation efforts for dozens of critical severity bugs, including SQL Injection, Server Side Request Forgery (SSRF), Access Control flaws, multi-tenancy breaks, cryptographic weaknesses, Stored Cross-Site Scripting (XSS) and more.
— Led development of Proof of Concept security libraries implementing cryptographic systems around secure primitives including authenticated encryption modes, password storage digests, and strong message authentication codes..
— Mentored less senior team members through collaborative work efforts.
— Contributed to training materials aimed at Developers, introducing complex security concepts and secure programming techniques.
— Work with Incident Responders to identify root cause of intrusions and application-level improvements warranted.

March 2017 – May 2020

Senior Manager, Product Security, Salesforce, INC.
- — Successfully grew a team of 4 geo-located engineers to 8 geographically dispersed individuals, while maintaining a low attrition rate.
- — Recruited and hired top performing engineers as recognized by other managers.
- — Implemented a Secure Development Lifecycle (SDL) which handles dozens of security reviews monthly.
- — Initiated review processes for patch and bugfix code prior to deployment, reducing errors and regressions considerably.
- — Rolled out a large private Bug Bounty program which has paid several hundred thousand dollars in bounties since inception, surfacing critical and high severity vulnerabilities for remediation.
- — Established a culture of trust, open honest communication, and mutual respect between Security and Engineering teams.

April 2013 - October 2015

Senior Security Consultant, NCC Group (Formerly Matasano Security)
- — Consulted with companies in various stages of security maturity from Fortune 500s to early stage startups and every level in between, helping them build processes and procedures to fit their unique environments.
- — Performed Application Security Assessments for a wide variety of platforms, specializing in Ruby on Rails and Django (Python) Web Frameworks.
- — Presented original research at various industry conferences, as well as through Whitepapers and Blog posts.
- — Led the Midwest Region's Research program, encouraging others to pursue novel research projects and development efforts to similar results.
- — Developed report writing style guides and templates used across the organization by hundreds of consultants.

July 2007 - April 2013

Security Researcher, Dell SecureWorks
- — Monitor sources of new and emerging vulnerabilities, cataloging these for response.
- — Develop proprietary IDS/IPS signatures aimed at detection and prevention of vulnerabilities.
- — Reverse Engineering in support of vulnerability root-cause and malware analysis.
- — Monitor activities of threat actors, building Threat Intelligence on Tools, Tactics, and Procedures
- — Guide customers in remediation of identified intrusions and compromises.
- — Participate in Incident Response efforts in a supporting intelligence capacity

October 2006 - July 2007

Senior Network Security Engineer, Healthcare Service Corp - BCBS of IL, NM, TX, Oklahoma

March 1997 - October 2006

Senior Network Security Engineer, Grubb & Ellis commercial real estate

EDUCATION

1995-1997

Bradley University - Peoria, Illinois
Completed Courses in Computer Science including; C++, X86 Assembly, Algorithms and Data Structures