





DAN SALMON


Lead Pentesting Engineer

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 sa7mon

Technical Skills

Overview

Web Vulnerability Exploitation
API Design
Hash Cracking
Linux Privilege Escalation
Risk Management
Manual Source Code Review
WiFi Attacks
OSINT

Programming

Golang • Python • SQL

JavaScript • Java • React

Bash • PHP • L^AT_EX

Education

2019

MS, Information Technology
Minnesota State University
Mankato, MN

2018

BS, Information Technology
Magna Cum Laude
Minnesota State University
Mankato, MN

2015

AAS, Information Systems
South Central College North
Mankato, MN

2014

AAS, Networking Services
South Central College North
Mankato, MN

Other

Hobbies

Keyboards
3D Printing
BBQ
Homelab

Learning

Pocketbase
Nix / NixOS
React
Caido

Experience


Aug 2019 - Present

Lead Penetration Testing Engineer

Target

- Perform pentests on web apps, APIs, and networks running on a diverse assortment of hardware and environments.
- Create PoCs as needed to exploit vulnerabilities
- Develop and maintain automated testing tools in Go & Python
- Expand scope of bug bounty program and triage reports
- Perform annual PCI pentests according to PCI-DSS 4.0 requirements
- Mentor junior pentesters on pentesting and processes
- Work with dev teams to properly scope and identify risks in apps under test. Discover attack surface and learn how the app works before testing.
- Assist dev teams in remediating vulnerabilities and validate fixes
- Present High and Critical level findings to leadership
- Work with BISO to identify risk in in-development applications and include security controls in design


Research & Training



Venmo Data

GitHub


- To help raise security awareness, I scraped and posted 7 million Venmo transactions from their API. This project received press from Forbes, Wired, Gizmodo, TechCrunch, New York Magazine, and many others.



s3scanner

GitHub

- Scan for mis-configured buckets across S3-compatible APIs. Find sensitive data thanks to insecure permissions. 2.5k stars on GitHub.



miniprint

GitHub

- A printer honeypot to detect and trace common printer exploitation attacks and print job spam campaigns

Certifications

May 2023

OSWA - OffSec Web Assessor

OffSec

Aug 2021

CISSP

ISC²

Feb 2021

GCPN - GIAC Cloud Penetration Tester

GIAC

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Other Experience

Feb 2018 -
May 2019

Graduate Assistant - Developer

MNSU

- Developed a live bus tracking app for the University in partnership with the City of Mankato
- Web app used Knockout JS, jQuery frameworks for the frontend with a C# MVC + Web API 2 backend

Apr 2016 -
Feb 2018

Developer Intern

FPX

- Wrote tests for and reported bugs found in Java SaaS product
- Ran large test suites written in Java and JavaScript and interpreted results in a CI/CD environment
- Tools used: Atlassian suite, Jenkins, Selenium, JMeter

Nov 2015 -
Apr 2016

UX Lab Intern

MNSU

- Developed Windows Phone app in C# to be used campus-wide
- Assisted other MNSU classes in running usability and user experience tests with state-of-the-art testing technologies including eye-tracking hardware and video monitoring