Lewis Callaway

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Summary

- **Interned at three different companies in cyber security consulting, penetration testing, and software engineering roles over the course of five internship experiences.**
- **Owned my own IT company for five years with 50+ clients providing networking, software development, and cyber security services.**

Professional Experience

Cyber Security Consulting Intern - PricewaterhouseCoopers   Summer 2023

- Conducted comprehensive disaster recovery assessments for three subsidiaries within a Fortune 25 medical corporation, delivering invaluable insights to mitigate potential risks and ensure business continuity at a critical scale.
- Elevated the operational efficacy of internal Tanium lab environments, showcasing enhanced functionalities to clients by adeptly resolving complex issues with Active Directory, Google Cloud Platform, and Linux servers.
- Enhanced the efficiency of NIST CSF assessments by leveraging Tanium's advanced capabilities to gather actionable intelligence and streamline the evaluation process.
- Produced outward-facing documents tailored for client presentations, synthesizing technical complexities into easily comprehensible insights, and fostering trust and confidence in the company's expertise and solutions.

Owner / Network Engineer - Callaway Technologies LLC   2019 - Present

- Designed and implemented a web application for a group of non-profit organizations to share audio files internally using Python, Flask, S3, and EC2.
- Developed a custom survey application for specialized supply chain research using React and NodeJS - deployed it on a self-contained Raspberry Pi data collection unit.
- Contained and mitigated ransomware attack at a multi-location radio station group in two days. Provided recommendations to prevent future attacks afterward.
- Created 15+ Amazon Alexa skills and two mobile apps for users with vision disabilities.
- Deployed IPv6, advanced routing, and additional security capabilities to 1,000+ customers of an internet service provider.
- Transformed one-time RV Park Wi-Fi installation into a repeatable service that was successfully marketed to parks in four states.

Cyber Security Testing Intern - RSM US LLP   Summer 2022

- Conducted internal and PCI penetration tests using Kali, Nmap, Metasploit, Responder, and Crackmapexec.
- Discovered critical vulnerability in a real estate client's proprietary access software through code analysis.
- Conducted a wireless test at a biomedical company utilizing Aircrack-ng and Visiwave and found multiple rogue APs.
- Identified an additional sales opportunity for firm partners after visiting a client for a wireless security test.
- Placed first in an intern automation challenge after finding a modular and repeatable process for automating an audit.

Software Engineering Intern - Kingland Systems   2017 - 2019, Summer 2020, Summer 2021

- Created and executed load tests using Apache JMeter and Selenium to reduce bottlenecks in a software backend saving seconds on large API queries.
- Spearheaded an effort to upgrade and test the Python version on AWS Lambda serverless functions.
- Worked with a team to resolve UI and backend bugs on an Angular frontend, Spring Boot backend, and AWS.
- Initiated and produced an intern video to assist with future recruitment efforts and coordinated live-streaming of the intern presentations.

Skills

Python, Java, NodeJS, React, Electron, SQL, Spring, PHP, Flask, AWS, Google Cloud, Metasploit, TCP/IP, Linux, VOIP, Alexa Skills Kit, and Windows Server

Education

Master of Business Administration   Aug 2022 - May 2024
Iowa State University, Ivy College of Business

Software Engineering   Aug 2019 - May 2024
Iowa State College of Engineering - Cyber Security Minor - 3.98 GPA
Engineering commencement student marshal / outstanding senior in software engineering