

Cybersecurity

Dynamic, highly technical, hands-on asset, with a wealth of knowledge and experience establishing robust operations, optimizing source code and systems configurations, relational database design, and implementing high-performance, fault-tolerant, secure services over HTTPS other secure network protocols. Gain knowledge and experience in all aspects of network administration and cybersecurity through interactive training and on-the-job learning experiences.

Technical Proficiencies

Operating Systems:	Linux, Windows, OSX, VMWare, Solaris, Cisco
Cloud Platforms:	AWS, Azure, Digital Ocean
Security Tools:	Metasploit, Nmap, Wireshark, Splunk, ELK Stack, Security Onion, Zeek, Wazuh, osquery, OSSEC, Suricata, Snort, Qualys, Burp Suite, OpenVAS, Nessus, OWASP ZAP
Languages:	Python, PHP, C/C++, SQL, JavaScript, Ruby, Bash
Technologies:	MySQL, Docker, Rails, Flask, Cassandra, MongoDB, Elasticsearch, ElastAlert, Kibana, Grafana, Memcached, HTML5, CSS3
SDLC:	GitLab, Bitbucket, JIRA, Visual Studio, SCA, SAST, DAST, DevSecOps

Career Experience

Shift4 – Las Vegas, Nevada Security Analyst III

2021 – 2022

Member of Enterprise Security, assisting in a wide variety of functions, including CSOC, Application Security, Security Engineering, and scripting. Primary initiatives include security of infra perimeter in both cloud and datacenters.

- Perform static and dynamic application security testing and assist with integrating this into CI/CD pipelines.
- Vulnerability triage, assessment, investigation, and threat hunting.
- Perform security analysis and reporting for assurance of new product releases, firewall rules, and software risk assessments.

Sprux LLC – Carson City, Nevada Network Security Engineer

2019 – 2020

Spearheaded the management of office and datacenter network infrastructure with enhanced security controls. Executed daily and semi-frequent tasks that included threat modeling, vulnerability scanning, remediation of problems, VPN setup,

- Established, implemented, and frequently updated baseline security policies, procedures, and best practices for the datacenter. Improved the efficiency of datacenter security across the board.
- Constructed a secure proxy gateway for customers that accessed the remote console. Seamlessly integrated customer access with VNC over HTTPS.
- Provisioned and frequently updated customer's network configurations based on changing goals, objectives, and operating environments.

Self-Employed – Reno, Nevada Consultant

2015 – 2019

Served as a strategic business partner and technical advisor to a wide variety of clients. Focused on the areas of software engineering, web development, security, startup, and business development advisory topics.

- Developed and implemented minimum viable products (MVPs) for clients.
- Instituted network and host IDS solutions that consolidated reporting efforts in ELK and SIEM. Empowered stakeholders with faster and more reliable availability of data.

- Analyzed and reacted to poorly performing websites and databases. Enhanced the performance of technology systems at client locations.

Proofpoint – Sunnyvale, California
Principal Engineer

2014 – 2015

Partnered with cross-functional team to enhance the Social Patrol account’s detection, mitigation, and regulatory compliance enforcement functions. Evaluated, reacted to, and prevented threats across the entire technology landscape.

- Drafted pattern matching expressions that executed periodic scans of monitored social account content.
- Uncovered emerging issues through early detection and reaction systems. Backported, tested, and readily deployed solutions to problems that were incredibly time sensitive.
- Guaranteed the web attack surface was not vulnerable to threats. Eliminated risk and any security breaches that included POODLE and Heartbleed.

Social Concepts – Redwood City, California
Director of Engineering

2012 – 2014

Recruited, on-boarded, trained, and mentored local and remote engineering employees. Strengthened individual and team performance through training and mentorship opportunities.

- Enhanced processes and procedures through better tracking, triage, and utilization of employee resources.
- Vetted and procured new engineering talent.
- Carried on with all prior duties as Sr Systems Architect.

Social Concepts – Redwood City, California
Senior Systems Architect

2007 – 2012

Expertly designed and implemented network threat intelligence and behavioral pattern recognition, automated responses that were based on perceived threat levels of incoming social network end-user activities.

- Deployed a new virtual currency system for social network end-users. Boosted revenue by 900%.
- Seamlessly integrated payments using merchant system APIs with PayPal.
- Championed administrative and technical aspects of fraud prevention. Enhanced the organization’s ability to detect and eliminate risk.

Education

Bachelor of Science – Cybersecurity & Information Assurance
Western Governors University – Salt Lake City, Utah

Licenses & Certifications

(ISC)² – CISSP
PDSO – Certified DevSecOps Professional (CDP)
CompTIA – CySA+, PenTest+, and Network+ Certifications
AXELOS – ITIL 4 Foundations

Conference Presentations

Cats and Mice - Ever Evolving Attackers and Other Game Changers. Talk given at the Security BSides Las Vegas Conference, August 2015, Las Vegas, Nevada

Volunteerism

Conference Operations (aka “SOC Goon”) – DEFCON, Las Vegas, Nevada