

SUMMARY

Information Security generalist and software developer with over a decade of experience across a range of Information Security topics. Focus on providing an exceptional user experience while protecting business assets and setting up future success.

EDUCATION

Bachelor of Computer Science
University of New Brunswick, Fredericton, NB, Canada

May 2010

- Database design
- Software Engineering
- Procedural and object-oriented programming

INTERNSHIPS

Q1 LABS, INC.

FREDERICTON, NB

Software Developer

April 2007 – November 2008

- Built automated test suite for QRadar remote sensor devices
- Automated retrieval of new exploit vulnerability information
- Developed QRadar remote sensor devices
- Worked on automation of QRadar automatic update packages

PROFESSIONAL EXPERIENCE

META PLATFORMS, INC.

MENLO PARK, CA, USA

Security Engineer

March 2018 – Present

- Assess and enhance security of core infrastructure and client laptops and desktops
- Drove assessment, selection, and implementation of the corporate password manager solution
- Design and develop tools and automation to improve the security of corporate infrastructure and client devices
- Assess the security of new technologies and products and provide recommendations for improvements
- Design and develop a system using X.509 client certificates to safeguard access to internal data and systems

Production Engineer

June 2014 – March 2018

- Owned back-end services, infrastructure components, and software code
- Monitor service health, stability, performance, and security
- Developed capacity plans for scaling up to very large distributed systems
- Analyze and resolve issues with very large-scale systems
- Work within PCI- and SOX-compliant environments to ensure all changes maintain compliance status
- Evaluate security requirements and assist with identifying tradeoffs
- Document security requirements and decisions and identify future work
- Drove efforts to overhaul security and access models for automated remediation systems

System Administrator / Developer

May 2010 – May 2014

- Configured, administered, and maintained the university intranet portal
- Developed a campus map system based on the Google Maps API
- Managed and integrated CAS and Shibboleth Single Sign-On services
- Developed integrations between the university intranet portal and other applications
- Contributed to the development and maintenance of an online university program application system in use by university admissions and prospective students around the world
- Design, develop, and maintain web-based applications and web services with strict privacy and security requirements
- Worked with the Hannon Hill Cascade Content Management System
- Developed Perl and PHP applications to support the needs of the university community
- Worked with the Enterprise Solutions team and the UNB community at large to gather and analyze software requirements
- Analyze and resolve issues with enterprise software, working with departmental experts as required
- Created and maintained internal standards for software development and system administration

Q1 LABS, INC.

FREDERICTON, NB, CANADA

Software Developer

April 2007 – November 2008

- Built automated test suite for QRadar remote sensor devices
- Worked on automation of QRadar automatic update packages
- Automated retrieval of new exploit vulnerability information
- Developed QRadar remote sensor devices

TECHNICAL SKILLS

- HTML, XML, CSS, JavaScript, and JSON
- Linux as both client and server
- macOS and Windows clients
- Iptables and PF firewalls
- Python and Golang
- OpenBSD servers
- MySQL and PostgreSQL databases
- OpenSSH server

PERSONAL SKILLS

- Work unsupervised for extended periods of time
- Work well in a team or independently
- Able to identify work to be done and prioritize execution
- Self-motivated with excellent work ethic