Joel T. Goguen

https://jgoguen.ca   joel@jgoguen.ca

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   *May 2010*
University of New Brunswick, Fredericton, NB, Canada

- Database design
- Procedural and object-oriented programming

- Software Engineering

Professional Experience

MongoDB, Inc.   New York City, NY, USA

Senior Site Reliability Engineer   September 2023 – Present

- Own back-end services, infrastructure components, and software code
- Develop capacity plans for scaling up to very large distributed systems across multiple cloud providers
- Document security requirements and decisions and identify future work
- Minimize differences between the general and FedRAMP-compliant environments

- Monitor service health, stability, performance, and security across multiple cloud providers
- Analyze and resolve issues with very large-scale systems across multiple cloud providers
- Evaluate security requirements and assist with identifying tradeoffs

Meta Platforms, Inc.   Menlo Park, CA, USA

Security Engineer   March 2018 – September 2023

- Assess and enhance security of core infrastructure and client laptops and desktops
- Design and develop tools and automation to improve the security of corporate infrastructure and client devices
- Design and develop a system using X.509 client certificates to safeguard access to internal data and systems

- Drove assessment, selection, and implementation of the corporate password manager solution
- Assess the security of new technologies and products and provide recommendations for improvements

Production Engineer June 2014 – March 2018

- Owned back-end services, infrastructure components, and software code
- Developed capacity plans for scaling up to very large distributed systems
- Work within PCI- and SOX-compliant environments to ensure all changes maintain compliance status
- Document security requirements and decisions and identify future work

- Monitor service health, stability, performance, and security
- Analyze and resolve issues with very large-scale systems
- Evaluate security requirements and assist with identifying tradeoffs
- Drove efforts to overhaul security and access models for automated remediation systems

UNIVERSITY OF NEW BRUNSWICK FREDERICTON, NB, CANADA

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

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 as client and server
- OpenSSH server
- MySQL and PostgreSQL databases

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