

# Joel T. Goguen

<https://www.jgoguen.ca>

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## SUMMARY

I am an Educated and motivated software developer and system administrator. I am quick to ramp up with any existing development platform and able to perform design, coding, debugging and testing of application and system software. As a generalist I am able to easily pivot between software and systems and I am able to incorporate knowledge of systems into software development.

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## EDUCATION

### Bachelor of Computer Science

University of New Brunswick, Fredericton, NB

May 2010

- Database Design
- Procedural and Object-Oriented Programming
- Software Engineering

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## INTERNSHIPS

Q1 LABS, INC.

FREDERICTON, NB

### Quality Assurance Specialist

January 2006 – December 2006

- Located, analyzed and reported software defects
- Tested new functionality and ensured existing functionality was not negatively impacted
- Developed plans to fully test new and existing functionality based on design documentation
- Worked under tight deadlines while maintaining a high quality of work
- Developed system monitoring scripts to automatically monitor system health and performance and automatically warn if issues were discovered
- Monitored system stability and overall system health

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## PROFESSIONAL EXPERIENCE

FACEBOOK

MENLO PARK, CA, USA

### Security Engineer

March 2018 – present

- Enhance the security of corporate infrastructure and client devices
- Assess the security of core infrastructure, client devices, new technologies and projects, and provide recommendations for security improvements
- Build tools and automation to improve the security of corporate infrastructure and client devices
- Stay up to date with the current threat landscape and current and new attack vectors

### Production Engineer

June 2014 – March 2018

- Own back-end services, infrastructure components, and software code
- Develop capacity plans for scaling up to very large distributed systems
- Monitor service health, stability, performance, and security
- Analyze and resolve issues with very large-scale systems
- Write, review, modify, and document software code
- Work closely with teams to improve system security
- Evaluate security requirements and assist with identifying tradeoffs
- Document security requirements and decisions and identify future work
- Work within PCI- and SOX-compliant environments to ensure all changes maintain compliance status

**System Administrator / Developer**

May 2010 – May 2014

- Configure, administer, and maintain the university portal
- Work with the Hannon Hill Cascade Content Management System
- Developed a campus map system based on the Google Maps API
- Develop Perl and PHP applications to support the needs of the university community
- Manage and integrate CAS and Shibboleth Single Sign-On services
- Incorporate feedback into the development process to develop and enhance applications
- Work with the Enterprise Solutions team and the UNB community at large to gather and analyze software requirements
- Ensure integration between the university portal and applications in use at UNB
- Analyze and resolve issues with enterprise software, working with departmental experts as required
- Assist with the creation and updating of internal standards for software development and system administration
- Contributed to the development and maintenance of an online university program application system in use by university admissions and prospective students around the world
- Install, configure and maintain Red Hat Enterprise Linux 6 and CentOS 6 servers
- Monitor Linux and Windows server stability, performance, and security using Munin and Nagios
- Design, develop, and maintain web-based applications and web services with strict privacy and security requirements

Q1 LABS, INC.

FREDERICTON, NB

**Software Developer**

April 2007 – November 2008

- Created and maintained automated functional testing suites for QRadar remote sensor devices
- Located, investigated and corrected defects with QRadar remote sensor devices
- Created a script to normalize known application exploit vulnerability data
- Automated the generation of QRadar device event database update files
- Developed a script to generate QRadar remote sensor device installation and update packages
- Developed processes to automate retrieval of technological exploit vulnerability data and prepare it for use with QRadar remote sensor devices
- Developed processes to automate the production of a weekly QRadar update package

**TECHNICAL SKILLS****DEVELOPMENT**

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| <ul style="list-style-type: none"> <li>• Experience with HTML, XML, CSS, JavaScript, JSON, Perl, and Python</li> <li>• Experience with developing interactive AJAX web applications using jQuery</li> <li>• Experience with the Perl HTML::Template HTML templating system</li> <li>• Experience with the Hannon Hill Cascade Content Management System</li> <li>• Exposure to Microsoft PowerShell 3.0</li> </ul> | <ul style="list-style-type: none"> <li>• Good with developing web applications in PHP and Perl</li> <li>• Good with the L<sup>A</sup>T<sub>E</sub>X document typesetting system</li> <li>• Good with HTML5</li> <li>• Exposure to the Django and Smarty templating systems</li> <li>• Exposure to C, JSP, XPath, and XSLT</li> <li>• Good with Bash scripting</li> </ul> |
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## OPERATING SYSTEMS

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- Experience with the Arch, Debian, Red Hat Enterprise, CentOS and Fedora GNU/Linux distributions
- Experience with Windows 7 and Windows Server 2008R2
- Experience with creating Arch Linux application packages
- Exposure to creating RPM and Debian application packages
- Experience with Mac OS X 10.12 and later

## DATABASES

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- Experience with MySQL
- Exposure to PostgreSQL
- Good with SQLite

## OTHER

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- Experience with configuring Apache HTTP Server 2.2 on the Red Hat Enterprise, CentOS, and Debian GNU/Linux distributions
- Experience with iptables firewall configuration
- Experience configuring Apache HTTP Server 2.2 as an Apache Tomcat 6 web application proxy
- Experience configuring the OpenSSH server
- Exposure to configuring and using Nagios and Munin for server and application monitoring
- Exposure to BIND9 and DNSMasq DNS configuration
- Exposure to configuring Apache Tomcat 6

## PERSONAL SKILLS

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- Work unsupervised for extended periods of time
- Work well in a team environment or independently
- Motivated to continue learning and develop new and existing skills
- Very good analytical, communication and interpersonal skills
- Excellent customer service skills
- Excellent work ethic
- Self-motivated
- Able to identify work that needs to be done with minimal consultation
- Able to review workplace practices and suggest improvements