Shawn McGinn BCS, MCS, CSSLP DevSecOps Engineer/Security Analyst/Full Stack Developer

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With substantial experience in programming, analysis, security, application design and architecture, having worked with both Agile and waterfall methodologies throughout my career, my skills would establish me as a great addition to your organization. Meeting project challenges while delivering innovative solutions is where I excel.

The value I bring to your organization is straightforward: outstanding hands-on technical skill with a broad knowledge of programming, enhancement, and maintenance of enterprise-level applications with a security first mindset. Key strengths that may be of particular interest include:

• Solid project management and problem resolution capabilities; led various projects through entire development and delivery, from initial needs assessment to internal development, testing, quality analysis, and implementation.
• Team leader with an ability to facilitate cooperation among team members to ensure that projects are delivered on time, as per specifications.
• Outstanding technical, design, analytical, and programming qualifications.
• Proven concept creation, development, design, and refinement skills, which contribute to my ability to successfully manage projects.

If you're interested in quality performance, dependable action, and innovative solutions, my proven track record demonstrates my potential contributions to your company. Additionally, I have a pragmatic approach to problem solving and the flexibility to undertake different tasks under pressure, enabling me to consistently meet critical deadlines.

The opportunity to speak with you personally to discuss how my professional experience, technical knowledge, and programming abilities would be of value to your company would be most welcome. Thank you for your time and consideration.

Sincerely,
Shawn McGinn

SUMMARY

Solutions-focused and security-oriented programming professional with extensive experience in coding, systems integration, program architecture, and systems analysis. Proficient in software engineering and project management, with a proven ability to identify challenges and implement diverse technical solutions to ensure seamless project delivery. Demonstrates advanced technical skills and comprehensive knowledge of systems development methodologies, optimizing the design, development, and refinement of applications. Adheres to a structured programming methodology, ensuring clarity and efficiency in development processes. Possesses outstanding interpersonal and communication skills, enabling rapid rapport building with team members, users, and management.

TECHNOLOGY PROFILE HIGHLIGHTS

Software Development	Python, SwiftUI, Java/J2EE/Spring, PHP, Perl, Groovy, JavaScript/NodeJS, C/C++, bash/sh/ksh, COBOL
Security Tools	Checkmarx SAST/SCA, Artifactory Xray, Prisma Cloud AppSec, Tidelift, SonarQube, Dependency Track
sSDLC & Delivery Automation	GitLab CI, Docker, Jenkins, Maven, Gradle, Ant, Node.js/npm, Terraform
Web Development	Apache, nginx, WordPress, Joomla, Fabrik, OpenSSL, Bootstrap, Tomcat, IIS, phpMyAdmin
Database	MySQL, PostgreSQL, Oracle
Enterprise Middleware	WebLogic, WebSphere BPM, Vitria BusinessWare, IBM MQ
Secrets Management	Hashicorp Vault, Thycotic Secret Server
Version Control	GitLab, GitHub, Bitbucket, TFS, SVN
Intrusion Detection	Snort, Tripwire, CSF/LFD
Platforms	Linux, Solaris, AIX, OS X, Windows

Bell Canada, Saint John, NB - Sr. Specialist Cyber Security   2022 - Present
DevEx & DevOps Security Engineer & Governance Specialist (Nov 2024 - Present)
Led comprehensive tools assessments for security in the FMO space, driving the introduction and implementation of IaC (Infrastructure as Code) and Secrets scanning tools. Spearheaded initiatives to integrate ServiceNow's DevOps module, AppVR, and SBOM solutions, ensuring seamless adoption and operational efficiency across teams.

Played a pivotal role in the governance and oversight of Bell's Open Source Program Office, ensuring alignment with enterprise-wide security strategies. Represented DevEx as an OSPO champion at Geekfest 2025, showcasing innovation and leadership within the open-source ecosystem.

Working on initiatives to deliver advanced analytics for organizational insights with Bell's current suite of security tooling. Contributed to pipeline maintenance and optimization efforts, ensuring robust and secure DevOps workflows.
Key Achievements:
• Championed the OSPO program at Geekfest 2025, working to elevate Bell's presence within the open-source community.
• Working to implement IaC and Secrets scanning, enhancing code security across teams.
• Facilitating the integration of ServiceNow DevOps tools, advancing enterprise-level capabilities for metrics and governance.
• Delivered ongoing pipeline maintenance and improvements, ensuring high availability and performance of DevOps processes while enhancing operational efficiencies and risk management.

DevSecOps Engineer with DevOps & Quality (DOQ) (Oct 2022 - Nov 2024)
Designed and optimized systems to streamline security workflows, contributing significantly to sSDLC pipeline architecture and delivery. Played a pivotal role in launching Bell's InnerSource program as one of its lead architects. Led the technical standup of the discovery portal, setting the stage for the program's success and seamless integration across the organization.

Built and maintained the SAST, SCA, and Tidelift automations for the Bell DevOps pipeline solution, as well as integrating compliance engine components to enhance security and efficiency. Showcased versatility conducting code reviews and assuming roles as owner, developer, and maintainer across various in-house products. Provided expert tiered support and played a key role in ensuring seamless migrations to GitLab and GitLab pipelines.

Additional contributions include leading Proof-of-Concept (PoC) initiatives with vendors, serving as lead consultant for the Open Source Program Office, and supporting security policy implementations. Developed automation of our SBOM enrichment solution and built the delivery mechanism integrated with ServiceNow's SBOM module.
Key Achievements:
•   Built and maintained automated solutions for SAST, SCA, Tidelift, and SBOM, serving hundreds of teams and delivering on innovative compliance components.
•   Introduced and implemented the KEV and SCA programs, assisting project teams with onboarding and remediation prioritization.
•   Conducted tools assessments in collaboration with vendors (e.g., Legit, Snyk, JFrog JAS, etc..) to ensure optimal solutions for DevSecOps needs.
•   Provided tiered support for Jenkins security (e.g., credential leakage, environment exposure) and a player in the Jenkins to GitLab migration
•   Developed Docker Swarm solutions for both hosting and DevSecOps development
•   Actively participated in the mentorship program, serving as both a mentor, guiding team members toward professional growth, and a mentee, embracing opportunities to learn and develop through collaborative experiences

E&Y/Lyfecycle Ops. Inc. Saint John, NB - Senior Analyst/Consultant   2017 - 2022
DevSecOps Engineer with DevOps & Quality (DOQ) (Mar 2017 – Sep 2022)
Bell Canada
Involved with continuous improvement - from POC to acceptance - of various tools and features that make up the DevSecOps toolchain offering. Building, maintaining, refining, extending, and integrating security tools into the analysis suite that make up the sSDLC. Helping to build awareness around the open source ecosystem, the current and emerging threats to that ecosystem and how it pertains to project teams at Bell. As well, a strong advocate of the CIA and holistic security, a teacher of principles of risk management and how to apply security concepts and design principles to software development.
Key Achievements:
- Lead architect of the implementation and security evangelist for adoption of both SAST and SCA solutions under Bell IT
- Integral support member for Bell.ca team over a 2 year period
- 2 years integration and delivery support - from dev through production - for the OneSide team
- Built out automated WebSphere Infrastructure standup for OneSide

Mariner Partners Inc. Saint John, NB - Senior Analyst/Consultant   2008 - 2017
CMS/Weblogic Developer with the Online Centre of Excellence Team (Jan 2014 – Feb 2017)
Bell Aliant
Development and management of server side components in a highly distributed messaging and web application architecture using the latest JAVA and J2EE technologies. Worked closely with testers/architects and management functioning as an integral member of an Agile delivery team, practicing iterative, continuous integration and test driven development methodologies. Provided input and support of full systems life cycle management activities - analysis, technical requirements, design, coding, testing, as well as implementation of systems and applications software
Key Achievements:
- Developed/created Hippo (CMS) functional components as part of the transition of a large code base from Weblogic to their content management system
- Continued support and development of existing WLP and WLS applications (Java/J2EE/ Weblogic)
- Principal developer of a soon to be released (currently under NDA) customer and agent facing Weblogic application
- Was the SME for Apache security at Bell Aliant for several years and played the primary role in resolving the Heartbleed vulnerability across major systems
- Responsible for Autonomy (search engine) configuration used in the development, test, and production environments

DSS/DevOps Integrator (Mar 2009 – Dec 2013)
Bell Aliant/Xwave
Managed build/integration process for various projects/assets under development while maintaining a very close relationship with the feature teams in each project. Acted as a core team member, participating in status meetings and design reviews. Supported the distribution of builds into all project delivery environments (both clustered and non-clustered). Worked with the DSS supported Project Developers, Quality Assurance teams, Application Management and Operations to build, certify, and deploy code from one environment to another (ex. dev –to– functional test –to– QA/Pre-production –to– Production)
Key Achievements:
- Provided Tier 1 environment/build-deploy/tool training, troubleshooting and configuration support for project teams, AM & ATSO
- Created and maintained instances of specific shared assets (dev/test environments) for project teams
- Functionally tested and certified deployments
- Responsible for ensuring developers are properly using CM tools and procedures

- Identified and collaborated with DSS team members to implement process improvements to streamline and automate the build/release process. Participated in the evolution and complied with build configuration management standards
- Supported environments included
    - Weblogic Portal
    - Weblogic Integration
    - Aqualogic ALSB
    - Oracle 9iAS
    - Vitria BusinessWare

Programmer/Developer –Simulator DMC Replacement (Nov 2008 - Jan 2009)
Lepreau Nuclear – NB Power
Modified and created source code and supporting artifacts (such as project files) to implement the software architectures for some of the Linux components of this project. Most development was I/O work done in C/C++.

Senior Programmer/Developer – Local Number Portability (Apr 2008 – Mar 2009)
Bell Aliant
Worked as a Programmer/Developer with Bell Aliant (http://www.bellaliant.net), a leading telecom company, in the upgrade of a Vitria BusinessWare project. To support this upgrade, multiple enhancements and development activities were required throughout the various applications which make up this enterprise level integrated environment. The LNP Gateway project (Local Number Portability) allows the automated exchange of landline telephone numbers among various Telecom carriers as per a CRTC mandate; the Canadian Local Ordering Guideline (CLOG). Technologies implemented: Vitria BusinessWare, Java Web services, Java coding, UML modeling, XML, XSD schemas, AXT transformations, IBM's Rational Suite of products (RequistePro for Requirements Management; ClearQuest for Change Management;Test Manager for Test Management and ClearCase for Configuration Management), ABSP methodology and process (ABSP - Aliant's Business Solution Process), etc...
Key Achievements:
- Developed, enhanced and managed the LNP middleware Vitria projects
- Upgraded and managed all aspects of Aliant's Fallout Management System (AFM) (a Java application dependent on Web Services and backed by Oracle DBs)
- Worked closely with Aliant's Application Management (AM) and Development Support Services (DSS) teams in managing access, development, testing, debugging, deployment, etc… within each of their various environments (ie. system integration (dev), system testing (bst), pre-production and production)
- Modifications and enhancements to Aliant's CSM system to accommodate the CLOG specification. (Work done on their IBM Mainframe system using TSO, COBOL, DB2)
- Performed unit testing, defect resolution and provided written documentation for analysis and technical specifications.

UNIVERSITY OF NEW BRUNSWICK, Fredericton, NB   **1999 - 2008**
Senior Programmer/Analyst (2003 – 2008)
Serve as a key member of the Solutions Team; accountable for development, implementation, and maintenance of various online applications. Design, code, test, and analyze software; conduct extensive research to facilitate designing, documenting, and modifying specifications throughout the production lifecycle. Collaborate with business and systems analysts to define functional requirements, ensuring development of solutions that meet client specifications and technical standards. Troubleshoot and resolve technical issues; produce detailed technical and business documentation. Conduct data recovery activities. Evaluate automated solutions and offer recommendations for improvements.
Key Achievements:
- Key developer/engineer of an RIA to replace the current form based online application process. The automation it provides is essential to alleviating process in an area where the university has downsized.

- Key developer of an automated budget management tool that ran completely online and included reporting at all levels of the approval process, which streamlined much of the business process model and substantially increased departmental productivity.
- Spearheaded Luci project as lead developer; designed software as a solution to alleviate accessibility issues; product subsequently nominated for a KIRA award in 2005 and is currently in use by several universities and various other associations worldwide.
- Presented and promoted the use of Luci at several conferences across Canada to raise awareness of accessibility issues, including AUCTC 2005, CANHEIT 2005, and AMTEC 2005.
- Played key role in the Public Information Display (PID) project; managed all aspects of project, including equipment procurement, display software development, and application maintenance.
- Drove ongoing process improvements and workflow efficiencies on numerous time-sensitive projects; constantly strived to identify solutions to aid in enhancing processes which may potentially be hindering advancements.
- Served as the Technology Fee Committee Representative for Grad Student Association for 2-year period; collaborated with members to control spending of student funded budget for projects that furthered the use of cutting-edge technologies.

Web Technical & Training Officer (2000 – 2003)
Technical lead and support for UNBs web team. Instructed seminars on various technical topics to faculty members, personnel, and students in support of UNB web activities. Served as liaison between various groups within IT from both UNB campuses, facilitating enhanced communications. Held full accountability for administering and maintaining both Linux and Mac OS X test servers. Built and trained student assistants to work with faculty and staff members under web team supervision, on web-related projects.
Key Achievements:
- Developed, maintained and managed numerous applications including a searchable film database, a student portal, UNBs homepage, an online database of accommodation listings in Saint John and a Coordinated Training and Development database.
- Created technical instruction for staff members responsible for development and maintenance of individual areas of the UNB website.
- Established and coordinated technical work groups that provided input and feedback regarding ongoing implementation of the university web presence.

Web Developer (1999 – 2000)
Provided design and basic programming in order to enhance performance of website. Analyzed and cleaned up content; organized website structure. Worked with various managers in the college; assisted with individual sites within the website whole.
Key Achievements:
- Worked with administrative personnel tasked with maintaining the departmental website comprised of 600+ pages; provided technical insight and support.
- Presented comprehensive training sessions to personnel regarding the use of various tools to maintain individual sites, which improved productivity.
- Recognized for outstanding contributions and technical skill; advanced to Web Technical and Training Officer position.

Service New Brunswick, Fredericton, NB   **1999**
Web Developer
Accountable for design and development of useful and engaging sites during this short-term assignment.
Collaborated extensively with colleagues to define requirements; refined and translated goals into working sites. Coded, tested, and implemented web-based applications; provided graphic design expertise.
Key Achievements:
- Successfully developed an innovative search mechanism for their website.
- Restructured the SNB site in an effort to facilitate ease of use and enhance functionality.

EDUCATION

ISC2   **2022**
CSSLP Active Member (in good standing)

Scaled Agile   **2020**
SAFe 5 DevOps Practitioner Certification

University Of New Brunswick   **2007**
Master of Computer Science - Major in Embedded Systems & Parallel Processing

University Of New Brunswick   **2000**
Bachelor of Computer Science - Major in Software Systems

PUBLICATIONS

McGinn S., Kent K.; Development of a Co-Design Learning Environment, in Proceedings of the
IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (8/2007)

McGinn S., Shaw R.; Parallel Gaussian Elimination Using OpenMP and MPI, in Proceedings of
the 16th Annual International Symposium on High Performance Computing Systems and
Applications (6/2002)