Peter M. Ponert
< CyberSecurity Analyst / DevSecOps / Developer >

✉ peter.ponert@me.com 🌐 ponert.ca 📞 (416) 474-4833 📍 🔒✉ 0xB10297AD in peterponert ⦿ peterponert

An Ambitious Cybersecurity Specialist focused on aligning security measures with business objectives & customer needs.   Seasoned Developer skilled in the Full-Stacks of React and iOS applications; committed to pragmatic, clean, and defensive coding principles.   Strong analytical and problem-solving abilities, with team player experience delivering results alongside peers.   Passionate about developing innovative products that cater to both internal and external users alike, and turning ideas into actionable solutions.   Proven track record in managing the development and delivery of projects.   Diploma in Cybersecurity and years of study in undergraduate engineering.   In my time off you'll find me reading the latest tech articles, scouring Twitter for breaking news, and exploring experiments with code or cooking.

❯ CERTIFICATIONS

Aug. 2023 - Aug. 2026	**CompTIA Security+ Certified ce (SY0-601)** Credential ID: KJDTZ63QPJRQ18CZ - [25+ CEUs to date]
Oct. 2023 - Oct. 2025	**Fortinet Certified Associate in Cybersecurity (Network Security Expert-3 FCA)** Credential ID: 4538880933PP
May 2023 - May 2026	**(ISC)² Certified in Cybersecurity - (CC)** Credential ID: 1594294 - [19.25+ CPEs to date]

❯ PROFESSIONAL EXPERIENCE

Feb. 2024 - Current	**Private Company**, Cyber Security Analyst, Toronto, Ontario, Canada • Managed a portfolio of WordPress domains and mitigated compromise with prudent Incident Response • Responsible for day-to-day security investigations / Peer mentoring / Event presentations • Implemented Vulnerability Test Suites (Zed Attack Proxy, Nikto, ...), Password management, Escalation procedures, Code Auditing
Apr. 2022 - Aug. 2022	**Akrami & Associates**, Office Administrator / Web Developer, Mississauga, Ontario • Managed a Google Ad Campaign with 100k+ impressions, increasing CTR ~2x of baseline • Web Development, WordPress, and Social Media Management
Nov. 2016 - Mar. 2017	**DT Print Solutions**, General Assistant & iOS App Prototyping, Toronto, Ontario • Used industrial printing and C.N.C. equipment safely and efficiently • Developed a mobile application prototype for adding digital watermarks enhancing business value.
May 2016 - Aug. 2016	**Statistics Canada**, Enumerator, Oakville, Ontario • Optimized the logistics of routes with GIS software
July 2007 - Sept. 2017	**Remote Area Medical Volunteers Canada**, Web Developer, Ottawa, Ontario • Developed & maintained bespoke blogging platform in PHP on a LAMP stack shared server • Transitioned entire site to WordPress after its availability
May 2005 - Aug. 2005	**Hugh Group Inc.**, Software Developer, Toronto, Ontario • Developed large-scale DB driven sites in ASP & .Net • Automated spreadsheet report generation, and dashboards.
Jan. 2005 - Apr. 2005	**CIBC - Integrated Service Delivery & Operations**, Developer (Intranet Frontend/Backend), Toronto, Ontario • Utilized PHP & JavaScript web development for intranet application. • Customized reports (Graphs, Proposals, Spreadsheets, Functional Queries) • Supported users & system administrators in LOBs in technical and/or procedural issues. • Applied SQL, Visio, IIS, and security protocols to meet business standards.

❯ EDUCATION

Jan. 2023 - Apr. 2023	**Lighthouse Labs** Diploma Cyber Security • NIST-MITRE based instruction, 4x Industry Case Studies, 3x Realistic Exam Scenarios, Detailed Capstone Report, Presentation
Sept. 2004 - Sept. 2006	**University of Waterloo** Undergrad Computer Engineering • Elected Class Representative & Elected Residence Floor Manager

❯ SKILLS

🔒 **CYBERSECURITY:** MITRE ATT&CK / D3FEND/ NIST CSF, Reverse Engineering, Kali, Nikto, Veracode, Zed Attack Proxy, Splunk, Snort IDS, Volatility Framework, Active Directory, Windows Firewalls, IPS, YARA, Linux iptables, Configurable DNS, HxD, PDF Stream Dumper, EDR, Metasploit, SQLMap, Elasticsearch, Kibana, Web Scraping, NetworkMiner, OpenVPN, FTK Imager, Redline, HashCalc, Exeinfo PE, FileAlyzer, APKTool, HashCompare, ShellBags Explorer, Magnet RAM Capture, OpenStego, Radare, FRIDA, Cisco IOS, InQL, BurpSuite, Ethical Hacking, Incident Response, Information Security, Information Security Management, Penetration Testing, Shared Responsibility / Fate Model, Vulnerability Assessment, Identity & Access Management (NAC, MFA, SSO, OAuth, YubiKey, OpenID, SAML, Federation, PKI, RBAC, Policies), TPMs, Cloud Security, CIS Controls, ISO 27001/27002/27003/27005, NIST-800-53 , NIST-800-122, NIST-800-171, DFIR, GDPR, SOX / C-SOX, ISTG-33, CCSPA, PIPEDA, CPPA, FIPPA, CASL, PCI DSS v4, CMMC, SBOMs, Grafana, Prometheus, 802.11 Security, Cryptography (incl. Post-Quantum Lattice), Email Security (DKIM, PGP, S/MIME), ExifTool, GrapheneOS, NetHunter
————

⌨️ **SOFTWARE DEVELOPMENT:** React, Next.js, Python, TypeScript, Jupyter Lab, JavaScript, Three.js / R3F, D3.js, iOS (Objective C / Swift), C / C++ / C#, PHP, Java, .Net, SQL, WordPress, APIs (REST / gRPC), GraphQL, Computer Science, Git, CI/CD (Jenkins), Accessibility Design, Docker, ITIL, Agile Methodology, SDLC, Protobuf, MQTT (IoT), Scripting (PowerShell / BASH / Ansible), CoPilot / GPT 4 / Llama 2 / Whisper, Mobile ([AOSP, Gerrit, LineageOS Device Builds]& [iOS Internals, Clang/LLVM, ARMv7-A, ARMv8-A, AArch64, NEON SIMD Intrinsics])
————————

📈 **BUSINESS:** Administrative, Marketing, Live-streaming, Google Ads, Google Analytics, Office 365 Troubleshooting, ActiveCampaign, WordPress, Constant Contact, Trello, Event Venue Setup
————————————

🌐 **LANGUAGES:** English, French [Français], Czech [Čeština]
————————————

🎨 **DESIGN:** Photoshop, 3D Studio MAX, Illustrator, Inkscape, Blender, Midjourney, DALL·E 3, ChatGPT v4

❯ PROJECTS

DefCon Toronto (Chapter 416) Hardware Hacking Workshop   Feb. 2024
Implemented electrical engineering fundamentals & core concepts. Acquired measurements on PCB circuits. Upheld electrical lab safety protocol & ESD precautions. Identified UART and SPI communication protocols. Implemented a UART to serial adapter to initiate a hardware shell on consumer router. Analyzed and decoded live communications using a logic analyzer & sigrok. Analyzed software with OSINT techniques on IoT and hardware. Investigated by reading and interpreting component data sheets. Extracted & Analyzed firmware with industry reverse engineering software. Audited firmware files to discover cybersecurity vulnerabilities.

Microsoft Cloud Skills Challenge - DevOps Engineer   Dec. 2023
24 Module Challenge Collection Completed in under 30 days

LHL Cybersecurity Capstone Project   Apr. 2023
Technical Root Cause Analysis Incident Report utilizing real network evidence / artifacts

❯ AWARDS

Hacking Health in the Community Hackathon - Google #SidewalkTO - Team: 'Here for You' (Developer)   Mar. 2019
Supporting Caregivers (iOS Ambient Computing / Text Messaging)
★ 4th Place & Biomedical Zone Mentorship

Unearthed Mining Hackathon - Barrick Gold Sponsored- Team: 'Decelerate' (Developer)   Mar. 2017
Real Time Driver Feedback (iOS Prototype IoT Sensors)
★ People's Choice Award & Consultation with Sponsor

Hacking Health Toronto - Mental Health in the Workplace - Team: 'Ripple' (Developer)   June 2017
"Building accessible mental health literacy training and supports for under-resourced health care workplaces."
★ Impact Award & Industry Adoption

❯ ACTIVITIES

Project Euler (Algorithm Coding Challenge) - @kineticfocus (87th Percentile Ranking)

StackOverflow - @kineticfocus (492 reputation, 30K+ reached)

Leet Code - @peterponert (14 challenges solved [JavaScript, TypeScript, Pandas])

❯ MEMBERSHIPS & VOLUNTEERING

Data Connectors - Toronto Cybersecurity Conference   Oct. 2023

ISACA Toronto Chapter - 5th. Worldwide Day of Volunteerism #ISACACommunITyDay   Oct. 2023

EdTech Leadership Summit in Toronto - EdSurge - Volunteer Staff   Oct. 2015