

ASHAR S. AHMED

Software/Security Developer | Canadian Citizen | ashar@aaahmed.ca | github.com/asharahmed

Technical Skills

Security Operations / Detection: SIEM alert triage, EDR investigation, log correlation, alert tuning, detection logic (SQL, regex), IR playbooks, threat modeling

Vulnerability Management: CVE triage, validation/prioritization, remediation coordination, evidence collection, compliance closure tracking

IAM / Endpoint Security: MFA, macOS/Windows hardening, FileVault, patch compliance, MDM policy enforcement, endpoint baselines, DNS filtering

Cloud / IaC: AWS (IAM, S3, DynamoDB, CloudWatch, CloudTrail), Azure (Defender for Cloud), Terraform, Terragrunt, Checkov, Docker, Kubernetes

Scripting / Automation: Python, PowerShell, Bash, JavaScript/TypeScript

Compliance: NIST CSF, ISO 27001-aligned controls, PHIPA-oriented controls, audit documentation, control evidence workflows

Professional Experience

Cyber Security Advisor

Jan. 2023 – Present

Dr. Shariq Mumtaz Medicine Professional Corporation

- Built and owns the full security program from scratch for a medical practice: risk register, remediation SLAs, KPI reporting, and prioritized roadmap
- Instrumented identity, endpoint, and network telemetry with correlation-driven triage; cut Mean Time to Detect (MTTD) from days to under 1 hour
- Deployed fleet-wide MDM, MFA, FileVault, DNS filtering, and patch cadences; standardized baselines reduced spam and unsolicited traffic by **80%**
- Authored incident response playbooks and PHIPA-oriented audit evidence; supported external IT vendors through vulnerability closure and compliance reviews

Software Developer

Feb. 2021 – Jan. 2022

Department of Industry, Canadian Digital Service

- Engineered secure AWS infrastructure (IAM, S3, DynamoDB, CloudWatch) via Terraform/Terragrunt; enforced policy-as-code scanning with Checkov
- Eliminated bot-driven abuse by designing passive request validation, removing user friction while increasing detection coverage across all form endpoints
- Implemented CI/CD quality gates and automated testing, raising code coverage from ~20% to **85%**; reduced client-reported data incidents from 4-5 to 1-2 per cycle
- Produced security runbooks adopted org-wide; awarded the **Directors General Award of Merit** for delivery impact on national spectrum operations

Projects & Publications

Ravelin: Vulnerability SLA & Compliance Tracker

getravelin.xyz

- Built a vendor-neutral platform that ingests findings from Dependabot, Snyk, and Trivy, assigns severity-based remediation SLAs, and tracks breaches with audit trails and compliance reporting
- Stack:* C#, .NET 10, Blazor, Azure, Azure DevOps, Docker, Terraform, SQL Server

QR-CLI | *Node.js, npm*

qr-cli.dev

- Built and published a cross-platform CLI that generates QR codes as ASCII art with PNG export, works fully offline, released under MIT on npm and GitHub

The Cyber Centre and Technologies: A Meta-Analysis | *Accepted, Canadian Military Journal (forthcoming)*

- Authored an accepted meta-analysis on the Canadian Centre for Cyber Security, synthesizing open-source sources on threat intelligence operations, detection capabilities, and critical infrastructure protection

Education

Western Governors University

Awarded 2024

Master of Science (M.S.), Cybersecurity & Information Assurance

Dalhousie University

Awarded 2024

Bachelor of Computer Science (BCompSci)

Certifications

Certified Information Systems Security Professional (CISSP), 2026 | Systems Security Certified Professional (SSCP), 2023 | AWS Certified Solutions Architect & Developer – Associate, 2022