

Ashar S. Ahmed

Software Developer & Cyber Security Professional

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Experience

Cyber Security Advisor

Jan 2023 – Present

Dr. Shariq Mumtaz Medicine Professional Corporation — Initiated corporate security policy to protect confidentiality, integrity, and availability of assets; implemented zero-trust via MFA, macOS pilot, and continuous monitoring; strategized security measures meeting PHIPA and PIPEDA requirements; managed stakeholder communications with updates and best practice recommendations.

Associate Software Developer

Oct 2021 – Jan 2022

Canadian Digital Service — Structured artifacts for reliable, accessible support for federal organizations; automated workflows using Terraform for AWS cloud environments; improved reliability and accessibility using Python and Flask.

Software Developer

Feb 2021 – Oct 2021

Innovation, Science and Economic Development Canada — Modernized web apps with micro-services, reducing load times by 65 percent; awarded Directors General Award of Merit for exceptional performance; developed apps using ES2015 JavaScript to visualize open data; streamlined apps with Spin.js and Google Cloud Platform; analyzed performance through unit and integration testing.

Software Developer Intern (Co-op)

Sep 2020 – Dec 2020

National Research Council of Canada — Developed Oracle Platform apps using HTML5, JavaScript, and CSS; maintained Oracle SQL database with PL/SQL scripts for CRUD operations; integrated web apps with CMS to streamline information accessibility.

Education

Master of Public Administration, University of Birmingham (Jan 2025 – Present); Master of Science in Cyber Security and Information Assurance, Western Governors University (Issued 2024); Bachelor of Computer Science, Dalhousie University (Issued 2024).

Certifications

CompTIA CySA+ (2024); CompTIA PenTest+ (2024); Zero-Trust Certificate, Cloud Security Alliance (2023); Systems Security Certified Professional, ISC2 (2022); Certified in Cybersecurity, ISC2 (2022); AWS Certified Developer - Associate (2022); AWS Certified Solutions Architect - Associate (2022)

Skills

Languages: JavaScript, TypeScript, Python, Java, PHP, SQL, PL/SQL, HTML/CSS

Cloud & DevOps: AWS EC2, AWS S3, DynamoDB, Terraform, GCP

Tools: Git, Bash, Linux, Node.js, Flask, Oracle DB

Practices: Agile/Scrum, Zero-Trust, A11Y, Data Engineering, Testing

Publications

The Cyber Centre and Its Technologies - An Analysis. *Canadian Military Journal*. November 2022.