# Ashar S. Ahmed

Software Developer & Cyber Security Professional

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## Summary

Building secure, scalable solutions for the public sector with experience across Canadian government and healthcare environments.

## 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.

**Call Centre Agent Intern (FSWEP)** Jul 2020 – Sep 2020

Employment and Social Development Canada

- Assisted Canadians with CERB inquiries during the COVID-19 pandemic.

## 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.