

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.