

Ali Umar

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EDUCATION

BS. Computer Science

Honours Bachelor of Science, York University

Toronto, Ontario

April 2026

Diploma. Computer Engineering Technology

Advanced Ontario Diploma, Seneca College

Toronto, Ontario

August 2021

EXPERIENCE

Software Developer / Senior Programmer Analyst

Sep 2023 – Present

Ministry of Children, Youth & Social Services

Toronto, Ontario

- Successfully lead and migrated team internal tooling from Jira, GitLab, Jenkins & Nexus Repository to Microsoft Azure DevOps Platform moving issues, pipelines, artifacts for multiple applications
- Coordination of release management activities with stakeholders, clients and external technical teams following organizational change management processes
- Customer facing incident response for users and clients. Provide troubleshooting advice and customer service to assist users with our software within the service level agreement
- Designed and implemented CI/CD pipelines from DEV to PROD for 2 Java services and 1 Angular web application using Jenkins automation tool which subsequently were all migrated to Azure Pipelines
- Configuration, maintenance and troubleshooting of 24 RedHat (RHEL) on premise servers for various application environments
- Preparation of technical requirements for system integration across multiple departments
- Preparation of technical diagrams and documentation for privacy and risk compliance, penetration testing and load testing

Software Developer Co-op

May 2022 – Aug 2023

Ministry of Children, Youth & Social Services

Toronto, Ontario

- Integrated Angular SPA via OAuth2 with Oracle IAM suite, setup Jenkins CI for application builds and deployments and wrote and implemented SQL scripts for enhancements on a legacy Java 8 Case Management System and the corresponding Oracle Database

Software Developer Co-op

Jan 2020 – Aug 2020

Ministry of Government & Consumer Services

Toronto, Ontario

- Software development of a server monitoring Dashboard for the Ministry of Health using Angular Framework

PROJECTS

Compiler - Bminor language | C-language, LLVM tools

September 2024

- Completed compiler pipeline created following traditional compiler design
- Including scanning, parsing, ast generation, symbol table, semantic analysis, code generation for assembler target

Homelab - Dell PowerEdge R730 | Proxmox, Ubuntu Server

September 2023 - Present

- On premise setup to run various software
- Dell PowerEdge R730 / x4 1TB HDD / 128GB RAM / x2 E5-2640 V3 2.60GHz

TECHNICAL SKILLS

Fundamentals: application programming patterns, software design patterns, system architecture, computer networking, automation, observability & telemetry tools, code version control, databases, data structures & algorithms, foundational math, project management, leadership and communication skills, initiative

Tools: C, C++, Java, JavaScript, TypeScript, Node, Python, C#, Lua, Go, Git, Shell, SQL, Jenkins, Github Actions, Ansible, Docker, GNU Make, Vagrant, Angular, Java Springboot

Familiarity with: Caches, CDNs, Firewalls, Load Balancers, Web servers, Proxies, Data / Event bus

CERTIFICATIONS

AI-900: Azure AI Fundamentals

August 2025

AZ-900: Microsoft Azure Fundamentals

June 2021