

Ali Umar

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EDUCATION

BS. Computer Science <i>Honours Bachelor of Science, York University</i>	Toronto, Ontario April 2026
Diploma. Computer Engineering Technology <i>Advanced Ontario Diploma, Seneca College</i>	Toronto, Ontario August 2021

EXPERIENCE

Software Developer / Senior Programmer Analyst <i>Ministry of Children, Youth & Social Services</i>	Sep 2023 – Present Toronto, Ontario
<ul style="list-style-type: none">Successfully lead and migrated team internal tooling from Jira, GitLab, Jenkins & Nexus Repository to Microsoft Azure DevOps Platform moving issues, pipelines, artifacts for multiple applicationsCoordination of release management activities with stakeholders, clients and external technical teams following organizational change management processesCustomer facing incident response for users and clients. Provide troubleshooting advice and customer service to assist users with our software within the service level agreementDesigned and implemented CI/CD pipelines from DEV to PROD for 2 Java services and and 1 Angular web application using Jenkins automation tool which subsequently were all migrated to Azure PipelinesConfiguration, maintenance and troubleshooting of 24 RedHat (RHEL) on premise servers for various application environmentsPreparation of technical diagrams and documentation for cross team system integration, privacy and risk compliance, penetration testing and load testingSoftware development of a legacy Java 8 Monolithic Desktop Application - Enhancements & Maintenance	
Software Developer Co-op <i>Ministry of Children, Youth & Social Services</i>	May 2022 – Aug 2023 Toronto, Ontario
<ul style="list-style-type: none">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 <i>Ministry of Government & Consumer Services</i>	Jan 2020 – Aug 2020 Toronto, Ontario
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Completed compiler pipeline created following traditional compiler designIncluding scanning, parsing, ast generation, symbol table, semantic analysis, code generation for assembler target	
Homelab - Dell PowerEdge R730 Proxmox, Ubuntu Server	September 2023 - Present
<ul style="list-style-type: none">On premise setup to run various softwareDell 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