Ali Umar

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EDUCATION

BS. Computer Science   Toronto, Ontario
Honours Bachelor of Science, York University   *Sep. 2021 – April 2025*

Diploma. Computer Engineering Technology   Toronto, Ontario
Advanced Ontario Diploma, Seneca College   *Sep. 2018 – Aug 2021*

EXPERIENCE

Senior Programmer Analyst   Sep 2023 – Present
Ministry of Children, Youth & Social Services   *5700 Yonge Street, Toronto, Ontario*
- Primary responsibilities are focused on **DevOps / Infrastructure & Integration / Automation / Tooling / Release Management** work such as build and deployment automation using CI/CD tools, Linux system administration and maintenance of various application environments for the team in addition to application integration with different departments & external organizations
- Configuration, maintenance and troubleshooting of 24 RedHat OPC servers for various application environments
- Full stack software development using Angular Framework, Java Spring-boot Framework. Active in peer reviews, mentoring juniors, learning from colleagues and furthering my domain knowledge in the health technology sector
- Cross-team collaboration with external vendors, communication with internal teams such as DBAs, Operational / Middleware, Release Management
- Preparation of technical requirements for system integration with different departments who administer enterprise products such as Oracle IAM, IBM DataPower / APIC
- Setup Prometheus, Grafana tooling for monitoring on a cluster of 9 machines for demo/PoC

Software Developer Co-op   May 2022 – Aug 2023 (**16 months**)
Ministry of Children, Youth & Social Services   *5700 Yonge Street, Toronto, Ontario*
- IAM integration with Angular SPA Web Application, Jenkins CI setup / integration for application builds and deployments. Automated application versioning, git tagging following a build once and deploy everywhere model
- Created and maintained configuration/installation documentation for a 3-tier infrastructure architectural pattern
- Created SQL script using PL/SQL proprietary scripting language for legacy Java CMS system (JDK 1.8)

Software Developer Co-op   Jan 2020 – Aug 2020 (**8 months**)
Ministry of Government & Consumer Services   *222 Jarvis Street, Toronto, Ontario*
- Front-end software development of a custom server monitoring Dashboard for the Ministry of Health using Angular Framework

TECHNICAL SKILLS

- Foundational knowledge: general programming concepts, data structures, relational database design, common programming patterns, networking concepts, basic system design
- Familiar with C, C++, Python, JavaScript/TypeScript, Java, C#, Groovy, Lua, Go, Shell / Bash
- Familiar with Angular, React, Express, .NET, Flask, Spring boot
- Familiar with Linux operating system, code version control systems, application build systems (maven, npm), infrastructure observability systems (ELK, Prom / Grafana), Networking tools (wireshark, netcat, traceroute, nslookup, nmap, dig), automation tools such as Ansible
- Knowledge of infrastructure level components such as load balancers, caches, firewalls, web servers, data / event bus, databases
- Familiar with ITIL Framework / ITSM processes

CERTIFICATIONS

AZ-900: Microsoft Azure Fundamentals   Issued on June 2021

PROJECTS

Particle engine	Desktop Application / C-language / GNU Make / Raylib Graphics library
Audio Visualizer	Web Application / JavaScript / Browser Canvas API
Shroom.io	Web Application / JavaScript / Go Lang / Pocketbase / Websockets
Homelab	Dell PowerEdge R730 / x4 1TB HDD / 128GB RAM / x2 E5-2640 V3 2.60GHz