

ANDASU

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SKILLS

Languages: Java, JavaScript, C, C++, Python, C#

Frameworks/Tools: Spring, Angular, React, Django, MySQL, PostgreSQL, Linux, Bash, Docker, Jenkins, Git

Other: Amazon Alexa Skill Kit, Adobe XD, Azure Cloud Services, Google Cloud Platform

WORK EXPERIENCE

Software Developer — **Ultimate Kronos Group (UKG)** — Toronto, ON

Jan 2022 – Aug 2022

- Improved website usability by reducing API payloads, which **decreased wait times** by more than **95%**
- Enhanced team workflows and processes by increasing transparency and reducing maintenance costs through developing a tracker application in **Java** and **JavaScript** using **Spring** and **Angular**
- Modernized API security by implementing user authentication and authorization using **Spring Security**
- Ensured customer satisfaction by performing root cause analysis and suggesting bug fixes for time-sensitive escalation cases in a thorough and prompt manner

Innovation Developer — **Sun Life Financial** — Toronto, ON

May 2021 – Aug 2021

- **Reduced operational costs by 30%** through designing and implementing guided tours using **React**
- Enhanced client security by implementing **multifactor authentication** (MFA) on **Alexa voice**
- Increased visibility of application statistics by automating Tableau reports using **Python** and **Jenkins**
- Modernized UI/UX flows by designing a digital statement form using **Adobe XD** and **React**

Junior Architect — **Sun Life Financial** — Toronto, ON

Sep 2020 – Dec 2020

- Streamlined project and technology governance processes to increase transparency and efficiency by analyzing the needs of multiple stakeholder groups, creating documentation and training teams
- Reorganized application and architecture records by coordinating with architects to **meet audit requirements**, standardize data entries for easier collaboration, and **drive future project investments**

Junior Developer — **Stealth Monitoring** — Toronto, ON

Jan 2020 – Apr 2020

- Enhanced diagnostics capabilities by automating the collection of ONVIF-compliant device data
 - Migrated an application from **.NET Framework** to **.NET Core** to achieve cross-platform compatibility
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PROJECTS

Real-Time Operating System

- Developed a real-time operating system in **C** to manage memory, schedule real-time tasks, communicate between tasks, and handle user interrupt events for a Keil microcontroller board

Multithreaded Web Crawler & Image Processor

- Developed a multithreaded web crawler in **C** to retrieve and reconstruct PNG images concurrently

uMigrate — github.com/Team-uMigrate/umigrate

Cloud-Ops Team

- Accelerated development and operations workflow with automated testing pipelines and continuous deployment to multiple environments within **Azure DevOps (CI/CD)**
- Led automated **PostgreSQL** database backup efforts using **Azure File Services** to enable flexible deployment strategies and to increase data security
- Developed **bash** scripts to automate server administrative tasks and enhance server security

Product Design Team Lead

- Led discussions in market surveys and SWOT analysis to create space for innovative ideas
 - Designed and evaluated product requirements and features to provide clarity for developers
 - Mentored and assisted team leads in management, organization, and leadership skills to increase effective teamwork, and clarity in communication and expectations
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EDUCATION

Candidate for **BASc in Computer Engineering** — **University of Waterloo**

Sep 2019 – Apr 2024

Relevant Courses: Algorithms & Data Structures, Systems Programming & Concurrency, Real-Time Operating Systems, Compilers, Database Systems, Computer Networks

AWARDS

Lieutenant Governor's Community Volunteer Award for Students

Canada 150 Community Volunteer Award - Scarborough-Agincourt