

ANDASU

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SKILLS

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

Frameworks/Tools: Spring, Angular, React, Django, SQL, Linux, Bash, Docker, Kubernetes, Git

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

WORK EXPERIENCE

Software Engineer Intern — **PenLink** — Toronto, ON

Sep 2023 – Dec 2023

- **Reduced test run times by 60%** by parallelizing tests in **CircleCI** and removing dependencies in **Java**
- Migrated applications from **Docker Swarm** to **Kubernetes** to improve cloud deployment strategies and enhance a **2.0M** deal from a customer with particular on-prem needs

Software Dev Engineer Intern — **Amazon Web Services (AWS)** — Seattle, WA

Jan 2023 – May 2023

- Enhanced scaling and financial decisions by making DynamoDB metrics readily available through creating a dashboard framework made with **React** and **Python**
- Automated the deployment of a serverless, multi-factor authenticated dashboard application on **AWS**

Software Developer Intern — **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 Intern — **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**
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PROJECTS

ResuMate – Fourth Year Design Project

- Developing an AI-based resume parser to improve the job application experience
- **NLP** models were trained in **Python** with **spaCy**, and the **React**-based web-app was deployed on **AWS**

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 - 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
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EDUCATION

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

Sep 2019 – Apr 2024

Relevant Courses: Distributed Systems, Cooperative & Adaptive Algorithms, Computational Intelligence, Algorithms & Data Structures, Programming for Performance, Systems Programming & Concurrency

AWARDS

Lieutenant Governor's Community Volunteer Award for Students

Canada 150 Community Volunteer Award - Scarborough-Agincourt