

ANDA SU

andasu.ca | anda.su@hotmail.com | linkedin.com/in/andasu | github.com/Apsd1109

SKILLS

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

Frameworks/Tools: Spring Boot, Angular, React, Django, RabbitMQ, Kafka

Other: AWS, GCP, Azure Cloud, Linux, Bash, Docker, Kubernetes, Git

WORK EXPERIENCE

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

Sep 2023 – Dec 2023

- **Reduced QA processes and delivery times by 60%** by parallelizing tests on **CircleCI** and refactored **Spring Boot** application into decoupled components that communicate via **RabbitMQ**
- Spearheaded migration efforts of critical applications from Docker Swarm to **Kubernetes**, improving cloud deployment strategies, playing a pivotal role in **securing a \$2.0M deal** from a particular client

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

Jan 2023 – May 2023

- Empowered scaling and financial decision-making by developing a **React-** and **Python-**based dashboard framework for DynamoDB metrics visualization
- Streamlined operations by automating 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, **decreasing wait times by more than 95%** by optimizing API payloads
- Streamlined team workflows and cut maintenance costs by developing a tracker application in **Java (Spring Boot)** and **JavaScript (Angular)**, increasing transparency
- Modernized API security by implementing user authentication and authorization using **Spring Security**
- Upheld customer satisfaction by performing root cause analysis and promptly fixing bugs for time-sensitive escalation cases

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

May 2021 – Aug 2021

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

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

Sep 2020 – Dec 2020

- Improved project and technology governance through stakeholder analysis, documentation creation, and cross-team training, increasing transparency and efficiency
- Reorganized application and architecture records by coordinating with architects, to meet audit requirements, standardize data entries, and facilitate future investment discussions

Computer Science Assistant Intern — **Stealth Monitoring** — Toronto, ON

Jan 2020 – Apr 2020

- Enhanced diagnostics capabilities by automating ONVIF-compliant device data collection
 - Migrated an application from .NET Framework to .NET Core for compatibility with Windows and Linux
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EDUCATION

BASc of Honors in Computer Engineering — **University of Waterloo**

Sep 2019 – Apr 2024

GPA: 3.9/4.0

Coursework: Fundamentals of Computational Intelligence, Co-operative and Adaptive Algorithms, Distributed Computing, Programming for Performance, Databases, Networks, Algorithms & Data Structures

PROJECTS

ResuMate – Fourth Year Design Project

- Developed an AI-based resume parser self-evaluation tool to improve the job application experience
- Trained **NLP** models in **Python** with **spaCy** with an overall F1-score of 83%
- Deployed a **React-**based web-app on **AWS** using serverless methodologies

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
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AWARDS

Lieutenant Governor's Community Volunteer Award for Students

Canada 150 Community Volunteer Award - Scarborough-Agincourt