William **Jarvis-Cross**

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Professional Summary

Aspiring Software Developer with experience as a Full Stack Software Engineering Intern and Cloud DevOps Engineer. Demonstrated expertise in building scalable messaging platforms and streamlining deployment processes using AWS. Proficient in Python and JavaScript React, with a strong foundation in cloud computing and problem-solving. Eager to leverage technical skills and project leadership experience to contribute to innovative software solutions.

Skills

- Front-end/Back-end development, React, NodeJS, CI/CD, MongoDB, HTML/CSS, C#, Amplify
- Web development, Java, SQL, Postgres, Devops, JavaScript/TypeScript, Redis, Bootstrap, DynamoDB
- AWS Cloud, Python, Git, Docker, Ansible, Terraform, UI/UX Design, Tailwind, NextJS, AWS Lambda

Professional Experience

P42 Systems   **Windsor, ON**
Freelance Cloud DevOps Engineer   *August 2024 – September 2024*
- Transitioned the company's deployment process for their web application from manual configurations to AWS CloudFront and S3 using Terraform and Ansible to streamline the workflow and reduce deployment time by automating build, deployment, and hosting processes.

Super.com   **Toronto, ON**
Full-Stack Software Engineering Intern   *May 2022 – April 2024*
- Built an enhanced refund option, allowing users complete hotel refunds using 3rd party APIs and secure payments.
- Completely reworked our SMS system by using Twilio and Node.js to build a scalable messaging platform, saving the company thousands per month.
- Contributed to the growth of the start-up by developing key features and improving system performance.
- Managed and maintained backend Node services, ensuring reliability and efficiency, which supported seamless operations.
- Led the process of company rebrand requiring massive effort for the front-end (TypeScript React) services.

Unicef Maxbox Plugin   **Toronto, ON**
Software Engineering Lead   *September 2023 – December 2023*
- Completed a project for UNICEF to build a plugin for Apache Superset, providing an interactive world map with dynamically updated population data, and enhancing data visualization capabilities.
- Led the team for the project, acting as the liaison between the team and UNICEF, which improved communication and project alignment, utilizing skills in Java, Git, and Python

Geopogo   **San Francisco, CA**
Software Engineering Intern   *April 2021 – August 2021*
- Developed 3D traversable models of cities using Unity and C# for augmented reality, enhancing user engagement with interactive city exploration.
- Implemented game-like controls to enable users to navigate the city, improving user experience and interaction.

Education and Certifications

HONOURS BACHELOR OF SCIENCE WITH HIGH DISTINCTION: **COMPUTER SCIENCE**   **04/2024**
UNIVERSITY OF TORONTO | Computer Science major with minors in Mathematics and Astrophysics
AWS Certifications
- AWS Certified Cloud Practitioner   In Progress - AWS Certified Solutions Architect

Projects

MeetSphere (https://meet.hydev.org/)
- Web app for organizing 1-on-1 meetings with personalized scheduling via REST APIs.
- Integrates calendars and automates reminders for streamlined meeting management

NoteGenius – In Progress
- Developing a full-stack web app for managing class notes, integrating AWS Amplify, Cognito, S3, Cognito, Lambda, and MongoDB, with AI using RAG and vector databases for generating practice tests and answering questions.