

William Jarvis-Cross

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Professional Summary

Quality-focused full-stack web engineer with expertise in testing, debugging, and coding across multiple languages. Proficient in Python and React, with strong problem-solving abilities. Specializing in cloud computing.

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

Experience

FREELANCE CLOUD DEVOPS ENGINEER | P42 SYSTEMS 08/2024 to 09/2024

- Transitioned the company's deployment process for their web application from manual configurations to AWS Amplify and S3 using Terraform and Ansible to streamline the workflow and reduce deployment time by automating build, deployment, and hosting processes.
- Built CI/CD pipeline by leveraging AWS services, enabling efficient continuous integration and delivery processes.

FULL STACK SOFTWARE ENGINEERING INTERN | SUPER.COM 05/2022 to 04/2024

- 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.
- Key contributor to the massive growth of this successful start-up.
- Go-to engineer/owner of the backend (Node) services.
- Led the process of company rebrand requiring massive effort for the front-end (TypeScript React) services.

SOFTWARE ENGINEERING LEAD | UNICEF MAPBOX PLUGIN 09/2023 to 12/2023

- Project completed for UNICEF to build a plugin for Apache Superset which provides an interactive world map with population data that is updated dynamically with a real-time statistic database.
- Team lead for the project and was the connection between the team and UNICEF

SOFTWARE ENGINEERING INTERN | GEOPOGO 04/2021 to 08/2021

- Leveraged Unity and C# to create 3D traversable models of cities available for users in augmented reality.
- Added game-like controls to allow users to traverse the city.

Education and Certifications

HONOURS BACHELOR OF SCIENCE WITH HIGH DISTINCTION: COMPUTER SCIENCE 04/2024 UNIVERSITY OF TORONTO

- Astrophysics and Mathematics minor GPA: 3.73

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.

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.