

Joshua Carrasco

Software Developer

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WORK EXPERIENCE

Software Developer

Private Fundex

06/2023 – Present

- Designed and developed a trading system in C# to automate market trading strategies, enhancing efficiency and precision in trader workflows.
- Implemented and deployed web APIs using Golang to integrate various disparate company systems into one cohesive product.
- Collaborated with trading professionals to define requirements, ensuring the development of products aligning with their specific needs.

Software Developer Intern

CaseWare International

01/2020 – 12/ 2020

- Exhibited knowledge of software architectures as a developer for the CaseWare Cloud 2.0 platform using an Angular frontend with Java Springboot to develop microservices.
- Exercised communication and presentation skills at the end of each development sprint by demonstrating features for tickets I worked on during the previous sprint to stakeholders.
- Applied Analytical and adaptability skills to implement new features for the products 20 year old code base using Agile development methodology.

EDUCATION

Bachelor of Science In Computer Science: Software Engineering (HBsc)

University of Toronto

09/2018 – 06/2023

TECHNICAL SKILLS

Tools

Git, Emacs, GDB, Visual Studio, MS Excel, MS Word

Languages

C#, Java, Python, C, C++, Rust, Golang, JavaScript, TypeScript, OCaml, Bash, SQL, HTML, CSS

Database Technologies

MongoDB, PostgreSQL, Neo4j, MySQL

Cloud Technologies

AWS, Docker, Google Cloud

Frameworks and Libraries

Spring Boot, Express.js, Mongoose, Angular, React, Yew.rs, SvelteKit, GraphQL, Selenium WebDriver, Pandas, Numpy, Scipy

SOFT SKILLS

Adaptability, Analytical, Reporting, Communication, Time Management, Teamwork

PROJECTS

Ray/Path Tracer

- Showcased proficiency in rendering algorithms and computational techniques to create a ray/path tracing system from scratch.
- Optimized performance using various techniques such as, BVH data structures, SIMD operations.

Terminal Instant Chat Messenger

- Designed application layer network protocol on TCP to deliver messages from user to user.
- Used OpenSSH C library to ensure End-to-End encryption while chatting.