GEOFFREY BELCHER

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Profile

I am a junior software developer based in Toronto, Canada. I love to build solutions from the customer's perspective and empower people to change the world. I value effective communication skills and enjoy solving problems, and am driven to learning about new technology and people's passions.

Experience

Junior Software Developer

OceanSync, Remote   **Apr 2023 - Present**

- Designed and implemented an external data-sharing API using Google Cloud Functions, TypeScript, and SQL for seamless integration with 3rd party data companies.
- Created TypeScript packages for data validation, aiding the development team, and developed custom Slack commands for the business team to automate tasks, enhancing internal tooling.
- Engineered a bespoke API to manage IoT computers, integrating it into Raspberry Pi-based IoT infrastructure using Python and Linux services.
- Demonstrated adeptness in collaborating within a remote setup across different time zones, ensuring effective teamwork and project execution.
- Represented the software team in presentations and pitches to external entities, including other companies and venture capitalist firms, showcasing project capabilities and business understanding.

Projects

Plants vs Blobs | **C#, Unity, Git**
- Developed a video game during a Ubisoft game development competition.
- Designed game mechanics, the gameplay loop and art style.
- Programmed game in Unity with custom C# scripts and collaborated with Git.

Augmented Reality Molecular Structures | **C#, Unity, Git, Azure, Xcode**
- Developed a phone application to render molecules in augmented reality.
- Created an API to access chemical data from the PubChem government database.
- Deployed onto the Apple app store and Google play store.

Education

Bachelor of Applied Computer Science

Dalhousie University, Halifax NS   **Sept 2018 - Apr 2023**

Skills & Interests

Technical Skills : Data Structures & Algorithms, Database Management, UI/UX design.
Languages & Frameworks : TypeScript, Python, SQL, GCP, C#, Rust
Other Skills : Git, Agile, Linux, Systems Design, Unity, Unreal Engine, Notion.

→ geoff (~/) : _