Ross Hill

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PROFESSIONAL EXPERIENCE

Software Engineer   *TypeScript, Express, PostgreSQL*   September 2022 - Present
Briza   Toronto, Ontario

- Built an API client which allows the Briza platform to request quotes from a new insurance carrier
- Improved type definitions for six insurance carrier integrations. This allowed me to fix many integration test payloads which had incorrect or missing properties.
- Reduced duplication in how customers are configured by refactoring feature flags. They are now associated with API keys (which can be shared by multiple brokerages) rather than individual brokerages.
- Created a new API endpoint to retrieve the logos of insurance carriers on Briza's platform
- Added more specific errors for users of the Briza API and documented them in the API documentation

Full Stack Developer   *React, Redux, Django, PostgreSQL*   November 2020 - September 2022
Doctalk   Toronto, Ontario

- Responsibilities included UI and RESTful API development, software architecture, and cloud infrastructure
- Rewrote the React front-end of MedAffairs Xchange, Doctalk's flagship application
- Built a wiki with WYSIWYG editing and tracked changes to allow medical residents to collaborate on notes
- Created a custom email generator with drag-and-drop functionality, rich text editing, auto-save, and drafts

Software Developer Intern   *Java, Backbone.js, PostgreSQL*   May 2019 - August 2019
Verafin   Toronto, Ontario

- Created a software plugin that identifies high risk customers across hundreds of financial institutions based on transaction and biographical characteristics
- Made multiple upgrades and bug fixes to the user interface that were requested by Verafin clients

Software Developer Intern   *React, Redux, .NET*   Summers, 2017 and 2018
Nudge.ai   Toronto, Ontario

- Created a web interface for Nudge employees to carry out administrative tasks such as managing users
- Implemented a system for receiving, verifying, and handling GDPR requests from users

PROJECTS

Mandelbrot Set in Rust   *Rust, WebAssembly, Typescript*   rust-mandelbrot.netlify.app
- An interactive web application that lets you explore the Mandelbrot set fractal
- Features include setting max iterations and the number of worker processes to tune performance, rendering "Multibrot" sets by increasing the exponent parameter, and saving the fractal as an image

ReqWise   *Node, Svelte, Google Cloud Platform*   reqwise.com
- Designed and built ReqWise, a full-stack web application that helps web developers understand stakeholder needs, propose software requirements and designs, and seek approval from stakeholders
- Set up a deployment pipeline to Google Cloud Platform with continuous integration and end-to-end testing

EDUCATION

Bachelor of Computing (Honours, Software Design) (SODE-P-BCH)   September 2016 - April 2020
Queen's University   Kingston, Ontario

SKILLS

Programming Languages: TypeScript, JavaScript, Node.js, PostgreSQL, Python, GraphQL, Java, Rust
Libraries/Frameworks: React, Redux, Express, Svelte, Django, Flask, Vue, ProseMirror, ESLint
Infrastructure: Google Cloud Platform, GitHub Actions, LogRocket, Twilio, Sentry, Firebase