Zachary **McRae**

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About Me

I am a full stack developer with a passion for learning and problem solving. I am strongest in front end work and enjoy making friendly and convenient UIs. I am confident and know my way around the backend to add or update functionalities and debug issues. I have a strong background in web development using **React**, **Vue**, **Typescript**, **Python** and have some mobile app development experience with **React Native**. I am a fast learner that enjoys exploring new topics and technologies, recently I have been designing and modeling functional 3d printed items for fun in my spare time. I am currently looking for a full time position in the field of web development.

Skills

Languages/Runtimes: Typescript, Python, Javascript (ES6+), Nodejs
Frameworks/Libraries: React, React Native, Vue 3, Nuxt 3, FastAPI, Express
Tools/Skills: Git, GitHub, HTML, CSS, Chart.js, AWS, MongoDB, SQL, Docker, Socket.IO

Work Experience

Chartd - Combining software development, data science and artificial intelligence
Remote, Ontario based
FULL STACK DEVELOPER — *Jan 2023 - June 2025*
- Lead front end developer, the first employee of the company.
- Brought designs and ideas to life using **Typescript**, **Vue 3**, **Nuxt 3**, **FastAPI** and **Python**.
- Established the foundations for the front end of multiple projects.
- Worked with students and coworkers to provide guidance, support and code reviews.
- Delivered new features, contributed to designs and created bug fixes for projects.

Abraham Systems - Custom solutions for your business
Sudbury, Ontario
FULL STACK DEVELOPER — *Nov 2021 - Dec 2022*
- Develop custom mobile apps for customers in **Javascript** with **React Native** and an **Express.js** backend.
- Develop and modify custom websites for customers in a **Javascript** and **Nodejs** environment.
- Work with customers to understand their needs and provide solutions.

Projects

Sodelic - Web App
Vue 3, Nuxt 3, FastAPI
SOFTWARE DEVELOPMENT LIFECYCLE (SDLC) AND PROJECT MANAGEMENT TOOL — *Jun 2024 - Jun 2025*
- Lead front end development using **Vue 3** and **Nuxt 3**.
- Established layouts, styles and core components used across the app.
- Lead integration of **AWS** authentication using **Cognito** for external provider authentication.
- Contributed to major test coverage using **cypress.io** and improved **github actions** CI test run times by 60%.

Insights - Web App
Vue 3, Nuxt 3, FastAPI
AI CHAT APP FOR ANALYZING DATA INTO CHART AND TABLE BI DISPLAYS — *Jun 2023 - June 2024*
- Lead front end development using **Vue 3** and **Nuxt 3**.
- Used **chart.js** to create reusable component for dynamic charts and tables from user data and prompts.
- Created a custom protocol for exchanging prompts and data between the front end and back end.

Track Offsets - Web App
Vue 3, Nuxt 3, FastAPI
CUSTOM BUILT TOOL FOR CANADA'S INDUSTRIAL AND TECHNOLOGICAL BENEFITS (ITB) POLICY — *Jan 2023 - June 2023*
- Lead front end development using **Vue 3** and **Nuxt 3**.
- Extensive use of **chart.js** and **PrimeVue** to display data in user friendly dashboards.
- Guiding and working with a team of students to deliver the project and meet goals.

IndiEats Customer - Android/iOS App
React Native, Express.js
LOCAL RESTAURANTS FOOD ORDERING APP — *Jun 2022 - Oct 2022*
- Sole developer on front end **React Native** application.
- Implemented app and styles from design documents.
- Integrated existing **express.js** backend and adding api endpoints as needed.