OLIVIE BERGERON

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GOAL

Bilingual Canadian Full-Stack Developer with proficiency in both French and English, dedicated to advancing expertise in full-stack development to excel in diverse, multilingual contexts. Committed to continuous learning and growth to contribute effectively to cutting-edge development projects.

EDUCATION

Computer Programming Diploma   2022 - 2024

Algonquin College, Ottawa, Ontario

- Deans Honor List
- Graduated with honors: 3.64/4
- Courses topics : Java|SQL|Linux|HTML|CSS|JavaScript|PHP|Technical Writing| COBOL|Android Studio|XML|JSON|Agile|TypeScript|Oracle|Servers|Scrum

PROGRAM-RELATED SKILLS

- Languages: JavaScript|Java|TypeScript|Python|SQL|CSS|HTML |PHP|C#
- Software: VsCode|Android Studio|Postman|VMWare|UTM
- Framework/Lib: React.js|Next.js|React Native|Node.js|Express.js|Electron.js
- Database: MySQL|MsSQL|OracleDB|MongoDB|PostgreSQL|Neo4j
- Hardware: Windows|Linux (Arch and Ubuntu)|MacOs

WORK EXPERIENCE

Full-Stack Jr. Developer (COOP)   Sept 2023 – April 2024

Nortac Defence, Ottawa, Ontario

- *Geofence Colouring:*
  - **Led** the **design** and **implementation** of a **customer-centric** feature aimed at enhancing communication and customization of the current geofencing feature.
  - **Crafted** and **presented** a compelling proposal, meticulously outlining project details and benefits to the business management team, ultimately securing immediate acceptance of the design and work plan.
  - **Leveraged** JavaScript technologies such as **React.js**, **Node.js**, **Sequelize**, and **Express.js** to deliver a robust solution.
  - **Successfully deployed** the project on time, ensuring seamless integration into the production server for **immediate customer use**.
  - **Collaborated** closely with **Quality Assurance** to establish rigorous **testing protocols,** ensuring high-quality and stable release.
- *Multi-chat windows:*
  - **Initiated** a research initiative to explore the **feasibility** of **managing multiple chat windows** for **improved customer engagement**.
  - **Expanded** expertise in **React.js**, **JavaScript socket handling,** and **MaterialUI** UX components.
  - **Project poised** for imminent release following comprehensive quality assurance testing.
- *Legal / About page for Android NTAC:*
  - **Addressed** legal concerns by implementing a **UI component** to ensure **compliance** with **Open Source** library usage.
  - **Engineered** the project using React Native for Android, **successfully passing** rigorous QA assessments for release.
- *Added a new Device Type listing:*
  - **Responded promptly** to customer requirements by introducing a **new device registration option,** thereby **enhancing** deliverable time and demonstrating a **proactive** commitment to exceeding client expectations.
  - **Leveraged** the robust capabilities of **React.js**, **Node.js**, and **MySQL** to expedite the attainment of project objectives with precision and professionalism.
  - **Product passed** QA and is currently deployed for customer use.

- *NTAC Windows Project:*
  - **Contributed** to the development of a new Windows Tablet application, **designed as a counterpart** to the existing Android Tablet application.
  - **Executed** the implementation of **registration**, **login**, and **legal** information forms, alongside their corresponding **workflow** and **data management** systems.
  - **Employed React.js**, **Electron.js**, and **Node.js**, in tandem with an **Electron Storage Database**, ensuring a robust foundation for data management.
  - **Orchestrated** data access flow with **Redux** for enhanced efficiency, adding a layer of sophistication to ensure seamless data management
  - **Accelerated** the **development process**, positioning the application for swift progress as of April 2024.
- *Corporate Processes:*
  - **Engaged** in daily **Agile stand-up** meetings and weekly project status updates, fostering effective communication and alignment within the team.
  - **Managed** code and development branches on **GitHub**, collaborating closely with senior engineers through rigorous Code Reviews to ensure code quality and consistency.
  - **Utilized Jira** and **Confluence** to meticulously manage live documents and maintain up-to-date status updates, facilitating seamless project tracking and documentation.

PERSONAL PROJECTS

Portfolio Website   Aug 2024 – Sept 2024
- **Developed** a personal portfolio website to showcase my skills, projects, and experience in software development.
- **Built** with **Next.js** and **React.js**, utilizing **TypeScript** for type safety and modern UI libraries like **Material Tailwind** and **MUI** for a responsive design.
- **Emphasized** performance, accessibility, and a smooth user experience across devices with a minimalist and clean interface using **Tailwind CSS**.

Technologies: TypeScript, MUI, Tailwind CSS, Material Tailwind, React.js, Next.js

Personal Finance Dashboard   Sept 2024 – Present
- **Developed** a full-stack personal finance app for tracking income, expenses, and budgets with visual data insights.
- **Built** with **Next.js** and **React.js,** using **TypeScript** for type safety and secure **JWT-based authentication** for user management.
- **Implemented CRUD** operations, **protected** routes, and account deletion.
- **Frontend development is ongoing** to integrate and finalize the user interface components.

Technologies: TypeScript, JWT, bcrypt, Tailwind CSS, Material Tailwind, React.js, Next.js, MongoDB, Mongoose

REFERENCES UPON REQUEST