

OLIVIE BERGERON

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SUMMARY

Bilingual Full-Stack Developer with 1+ years of experience in JavaScript, React, and Node.js, delivering scalable solutions and enhancing user engagement in Agile environments. Strong in collaboration, problem-solving, and project management, with a passion for creating impactful digital products.

EDUCATION

Computer Programming Diploma

2022 - 2024

Algonquin College, Ottawa, Ontario

- Graduated with honors: 3.64/4
- Relevant coursework: scripting, data analytics, networking, databases, object-oriented programming, enterprise programming, app and web development.

PROGRAM-RELATED SKILLS

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

SOFT SKILLS

- **Agile Methodology:** Engaged in daily Agile stand-up meetings and weekly project status updates, fostering effective communication and team alignment, which improved project delivery speed and reduced bottlenecks.
- **Code Review and Collaboration:** Managed code and development branches on GitHub, collaborating closely with senior engineers through rigorous code reviews to ensure code quality and consistency.
- **Project Documentation and Tracking:** Utilized Jira and Confluence to manage live documents and maintain up-to-date project status, enhancing team productivity and transparency in project tracking.

WORK EXPERIENCE

Full-Stack Jr. Developer (COOP) - Nortac Defence, Ottawa, Ontario

Sept 2023 – April 2024

Geofence Colouring:

- o Designed and implemented a customizable geofencing feature, allowing users to select up to 10 colours per category and add labels, enhancing user flexibility and personalization options.
- o Developed and presented a detailed proposal for the customizable geofencing feature, leading to immediate project approval and alignment with user needs and business goals.
- o Leveraged JavaScript technologies such as React.js, Node.js, Sequelize, and Express.js to deliver a robust solution.
- o Successfully deployed the project on time, ensuring seamless integration into the production server for immediate customer use.
- o Collaborated closely with Quality Assurance to establish rigorous testing protocols, ensuring high-quality and stable release.

Multi-chat windows:

- o Led a research initiative to assess the feasibility of expanding the platform's chat capabilities in response to customer requests, analyzing the current design to determine necessary adjustments for multi-chat functionality.
- o Optimized the platform's existing architecture to support multiple live chat windows, increasing the number of simultaneous chats a user can manage from 1 to 3 with minimal changes to the core system.
- o Implemented JavaScript socket handling and React.js modifications, allowing smooth real-time communication across multiple chats and enhancing user engagement by providing a more flexible and efficient chat experience.
- o Project poised for imminent release following comprehensive quality assurance testing.

Legal / About page for Android NTAC:

- o Developed a Legal and About page UI component for the Android NTAC app to ensure compliance with open-source library usage requirements, addressing critical legal concerns for the platform.
- o Utilized React Native to efficiently build and integrate the compliance feature into the existing Android app, ensuring consistency with the app's architecture and user experience.

- o Collaborated with the legal team and Quality Assurance to validate the compliance feature against legal standards, successfully passing all QA assessments and securing a smooth release.

Added a new Device Type listing:

- o 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.
- o Leveraged the robust capabilities of React.js, Node.js, and MySQL to expedite the attainment of project objectives with precision and professionalism.
- o Product passed QA and is currently deployed for customer use.

NTAC Windows Project:

- o Contributed to the development of a new Windows Tablet application, designed as a counterpart to the existing Android Tablet application.
- o Executed the implementation of registration, login, and legal information forms, alongside their corresponding workflow and data management systems.
- o Employed React.js, Electron.js, and Node.js, in tandem with an Electron Storage Database, ensuring a robust foundation for data management.
- o Orchestrated data access flow with Redux for enhanced efficiency, adding a layer of sophistication to ensure seamless data management
- o Accelerated the development process, positioning the application for swift progress as of April 2024.

PERSONAL/ACADEMIC PROJECTS

Zoho Customer Portal Prototype – Academic Project

July 2024 – Aug 2024

- Led the development of a scalable backend Node.js application for a customer portal prototype within a ZOHO environment, addressing client needs for streamlined project and task management.
- Coordinated task separation within the team and spearheaded backend development, enabling efficient integration with a React.js frontend and ensuring alignment with project objectives and timelines.
- Transitioned from Zoho Creator to a MERN stack solution due to platform limitations, enhancing flexibility, scalability, and control over the application's architecture and data handling processes.
- Integrated the backend with the ZOHO API to automate data synchronization with MongoDB every 12 hours, significantly reducing manual data management efforts and ensuring up-to-date project information.
- Developed robust authentication and data management features, including dynamic ACCESS_TOKEN refresh and API endpoints for real-time data display, optimizing security and user experience.
- Delivered a functional prototype that showcased key features to the client, providing a proof of concept for enhancing project management workflows despite uncertainties about long-term adoption.

Technologies: JavaScript, Node.js, Express.js, Mongoose, Nodemon, ZOHO API Console, Postman

Portfolio Website – Personal Project

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, Vercel

Personal Finance Dashboard – Personal Project

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, NextAuth.js

REFERENCES UPON REQUEST
