

# OLIVIE BERGERON

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## SUMMARY

Bilingual Full-Stack Developer with 1+ years of experience in JavaScript, React, and Node.js. Proficient in collecting and documenting user requirements, system integration, and delivering scalable solutions in Agile environments. Strong in collaboration, problem-solving, software maintenance, and troubleshooting, with a passion for evaluating user feedback to create impactful digital products and ensure performance and reliability of system designs.

## EDUCATION

### Cloud Computing Post-Grade Diploma

Sept 2025 – Aug 2026

Algonquin College, Ottawa, Ontario

- Relevant coursework: Cloud Migration, Cloud Integration, Azure, AWS, Cloud Containerization, Web Content Accessibility Guidelines (WCAG) 2.2, Accessibility Testing and Evaluation

### Computer Programming Diploma

Sept 2022 – Aug 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:* VsCode | Android Studio | Postman | VMWare | UTM | GIT

*Framework/Lib:* React.js | Next.js | React Native | Node.js | Express.js | Electron.js | Vue.js | Zod | Formik | Yup |

*Database:* MySQL | MSSQL | OracleDB | MongoDB | PostgreSQL | Neo4j

*Operating Systems:* Windows | Linux (Arch and Ubuntu) | MacOs | Docker

*Platforms/API:* Azure | AWS | Appwrite | Plaid | Dwolla | Stripe API | NextAuth.js | Sentry

## SOFT SKILLS

- **Agile Methodology:** Engaged in daily Agile stand-up meetings and weekly project status updates, fostering effective communication and team alignment, 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

## EXPERIENCE

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

Sept 2023 – Apr 2024

#### Geofence Colouring:

- Collected user requirements and designed a customizable geofencing feature, allowing users to select up to 10 colours per category and add labels, enhancing user flexibility
- Developed and presented a detailed proposal for the customizable geofencing feature, leading to immediate project approval and alignment with user needs and business goals
- Leveraged JavaScript technologies (React.js, Node.js, Sequelize, Express.js) to deliver a robust solution
- Deployed the project on time, ensuring seamless system integration into the production server for immediate customer use and providing ongoing support

#### Multi-chat windows:

- Evaluated user feedback and led a research initiative to assess the feasibility of expanding chat capabilities, analyzing the current design for multi-chat functionality
- Optimized and upgraded the platform's existing architecture to support multiple live chat windows, increasing simultaneous chats from 1 to 3 with minimal core system changes
- Implemented JavaScript socket handling and React.js modifications for smooth real-time communication, enhancing user engagement

## **Legal / About page for Android NTAC:**

- Developed a Legal and About page UI component for the Android NTAC app to ensure compliance with open-source library usage requirements
- Utilized React Native for efficient build and system integration into the existing Android app
- Collaborated with legal and Quality Assurance to validate compliance against legal standards, conducting tests and passing all QA assessments

## **Added a new Device Type listing:**

- Responded promptly to customer requirements by introducing a new device registration option, demonstrating proactive commitment. Consulted with clients to provide ongoing support post-implementation
- Leveraged React.js, Node.js, and MySQL to expedite project objectives

## **NTAC Windows Project:**

- Contributed to the development of a new Windows Tablet application, including upgrade and maintenance tasks
- Executed implementation of registration, login, and legal information forms, and corresponding workflow and data management systems
- Employed React.js, Electron.js, and Node.js with an Electron Storage Database for robust data management
- Orchestrated data access flow with Redux, enhancing efficiency and evaluating the performance and reliability of the design
- Accelerated development, positioning the application for swift progress

## **PERSONAL/ACADEMIC PROJECTS**

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### **Maple Politics– Personal Project**

March 2025 – Present

- Developed a Canadian political platform with real-time news aggregation, candidate profiles, and interactive polling data visualization
- Built a responsive UI with dark mode, custom animations, integrating RSS feeds
- Created an admin dashboard with Zod for robust form validation

**Technologies:** TypeScript, Shadcn, Tailwind CSS, React.js, Next.js, Vercel, Recharts, Drizzle ORM, Zod

### **Track Your Sub– Personal Project**

Feb 2025 – Feb 2025

- Developed a macro calculator using Subway's nutritional information
- Built with Next.js, React.js, TypeScript for type safety, and Shadcn for responsive design

**Technologies:** TypeScript, Shadcn, Tailwind CSS, React.js, Next.js, Vercel

### **Portfolio Website Template – Personal Project**

Aug 2024 – Feb 2025

- Developed a personal portfolio website to showcase skills, projects, and experience
- Built with Next.js, React.js, TypeScript, Shadcn, and Tailwind CSS, emphasizing performance and accessibility
- Structured for easy modification and update

**Technologies:** TypeScript, Shadcn, Tailwind CSS, React.js, Next.js, Vercel

### **Zoho Customer Portal Prototype – Academic Project**

July 2024 – Aug 2024

- Transitioned from Zoho Creator to a MERN stack solution, enhancing flexibility and scalability
- Led backend Node.js development for a customer portal, addressing client needs for streamlined project management
- Integrated the backend with the ZOHO API for automated data synchronization with MongoDB, showcasing system integration capabilities and reducing manual data management
- Delivered a functional prototype showcasing key features, providing a proof of concept

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

### **Remote Data and RT Application Final Project – Academic Project**

Dec 2025

- Designed and deployed an end-to-end Azure solution for real-time Rideau Canal safety monitoring using IoT Hub, Stream Analytics, Cosmos DB, Blob Storage, and App Services
- Built Stream Analytics job with T-SQL query to aggregate sensor telemetry in 5-minute windows, calculate safety metrics (ice thickness, temperature), and classify safety status (Safe/Caution/Unsafe)
- Created MQTT-based sensor simulator for three locations, generating telemetry data and routing through Azure IoT Hub for pipeline testing
- Configured automated data outputs to Cosmos DB for real-time web dashboard display and Blob Storage for historical archival
- Developed Node.js/Express.js web application with 30-second refresh rate; deployed via Azure App Services with GitHub Actions continuous deployment and environment variable configuration

**Technologies:** Azure App Services, Node.js, Express.js, Azure IoT Hub, Azure Stream Analytics, Azure CosmosDB, Azure App Services, JavaScript

## **REFERENCES UPON REQUEST**

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