

# Badr Al-Dhaibani

## New Graduate Software Engineer

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## EDUCATION

**Carleton University** – Bachelor of Computer Science | Ottawa, Ontario

Sep 2020 - Jun 2025

Honours Stream: Software Engineering, Minor in Philosophy

## WORK EXPERIENCE

**Software Developer Intern** – Martello Technologies | Ottawa, Ontario

Jan 2024 – Apr 2024

- Developed responsive UI components using JavaScript, HTML, and CSS that improved dashboard usability for the MPA telecommunications analytics product
- Optimized backend Java services reducing server response times through query optimization and API enhancements
- Updated Maven dependencies and resolved multiple security vulnerabilities in PostgreSQL database queries, ensuring compliance with enterprise security standards
- Contributed to Agile/Scrum sprints through effective ticket analysis, technical specification writing, and cross-team collaboration with other developers

**Software Developer Intern** – Global Affairs Canada | Gatineau, Quebec

Jan 2023 – Aug 2023

- Implemented XML-based bilingual localization system enabling French-English language switching.
- Automated UI testing with C# EasyRepro framework and Selenium reducing manual testing time by 60%
- Configured role-based access controls in PowerApps enhancing data protection for diplomatic communications

## PROJECTS

**BalancePoint** – Personal Finance Management App | React, TypeScript, Redux, Node.js/Express, PostgreSQL

[balancepoint.netlify.app](https://balancepoint.netlify.app) | [github.com/BadrAlDhaibani/balancepoint](https://github.com/BadrAlDhaibani/balancepoint)

- Built full-stack financial tracking application with JWT authentication, serving predictive balance calculations from recurring transaction patterns
- Designed RESTful API with 15+ endpoints, featuring express-validator input sanitization and parameterized queries for SQL injection prevention
- Implemented Redux Toolkit state management with async thunks for optimized API communication and centralized application state
- Deployed production system across Netlify (frontend), Render (backend), and Neon serverless PostgreSQL

**WthrFit** – AI-Powered Weather Display | React, TypeScript, Google Gemini AI, Tailwind CSS

[wthrfit.com](https://wthrfit.com) | [github.com/BadrAlDhaibani/hack-night-2025-Badr](https://github.com/BadrAlDhaibani/hack-night-2025-Badr)

- Built responsive digital signage application integrating WeatherAPI.com with Google Gemini AI for real-time weather visualization and contextual outfit recommendations
- Optimized AI response time by configuring gemini-2.5-flash model with zero thinking budget, achieving sub-second recommendation generation
- Implemented automatic geolocation with localStorage persistence and dynamic weather-responsive background theming

## SKILLS

**Languages:** JavaScript | TypeScript | Java | Python | HTML | CSS | SQL | C# | XML | C++ | C

**Technologies:** React.js | Redux Toolkit | Node.js | Express.js | REST APIs | Git | PostgreSQL | MongoDB | Maven | Apache Tomcat | Azure DevOps | Selenium | PowerApps | Power Automate

**Methodologies:** Agile/Scrum | CI/CD pipelines | Test-Driven Development