

# 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

## PROJECTS

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

## 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

## SKILLS

Languages:	JavaScript   TypeScript   Java   Python   HTML   CSS   SQL   C#   XML   C++   C
Technologies:	React.js   Redux   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