

Abdallah Nofal

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PROFESSIONAL SUMMARY

Software developer with co-op experience at local companies building and maintaining production systems (TypeScript, React, Next.js, PostgreSQL), including unifying three separate systems into a single CMS that helped drive new client attraction. Quick to pick up new frameworks, with strong fundamentals in REST APIs, algorithms, Git workflows, and AI-assisted development tools.

TECHNICAL SKILLS

- Languages: TypeScript, JavaScript, Python, Java, C, C++, HTML, SQL
- Frameworks/Tech: React, React Native, Next.js, Node.js, Express, FastAPI, REST APIs, Tailwind CSS, shadcn/ui
- Databases: PostgreSQL, MongoDB, MySQL, Supabase
- Tools: Git/GitHub, VS Code, Figma, VirtualBox, AI-assisted dev tools (GitHub Copilot, ChatGPT/Claude)

EXPERIENCE

Frontend Developer (Co-op) | Colibri Software

Jan 2025 - Aug 2025 (continued part-time to May 2026)

- Built the entire frontend for a mapping CMS (Next.js, TypeScript, Tailwind CSS, Leaflet/OpenStreetMap) that lets organizations create interactive maps of categorized points of interest, leading to 6 new clients.
- Improved the existing systems (viewer, builder, and editor) by unifying them into one application, reducing time to navigate between each route and simplifying it
- Developed a public map viewer with subcategory filtering, itinerary planning, and anonymous POI creation/editing, plus a drag-and-drop map builder and an admin panel for managing categories, user roles, themes, and multi-language translations.

Full-Stack Developer (Co-op) | Holland Home Leisure

May 2024 - Aug 2024

- Built a full-stack lead-tracking application using React, MongoDB, and JWT authentication, replacing manual spreadsheet workflows.
- Built a dashboard/analytics platform (Next.js, PostgreSQL/Supabase) with secure auth and responsive UI, used to track and diagnose customer pool, hot tub, and swim spa issues.
- Maintained and extended both applications based on ongoing client feedback; enhanced the company's Shopify retail website.

Technology Services Desk Consultant | Acadia University

Sept 2022 - Dec 2025

- Provided Tier 1 IT support to 400+ faculty, staff, and students across Microsoft 365, Wi-Fi, printers, authentication, and Windows/macOS configuration.
- Logged and tracked 350+ support tickets using Azure-based ticketing systems, identifying recurring issues to improve resolution workflows.

PROJECTS

Diet Scanner | Personal Project

Present

- Building a grocery food-rating mobile app that allows users to scan a food product's barcode to receive a grade to help with their diet choices using Python's FastAPI for the backend with a TypeScript + React Native Expo frontend.

Smart-Fitness: Science-Based Fitness AI Chatbot | Capstone Project

2025

- Built a science-based AI fitness chatbot using LLMs (GPT-4o mini via Vercel AI SDK), Next.js, and Supabase, with dynamic workout generation, user profiling, and progress tracking that allows weightlifters to make more optimal choices with their workout choices.
- Grounded recommendations in evidence-based training research to ensure safe, effective programming, and citing studies for user-facing answers.

RapidReact | Published VS Code Extension

2026

- Designed and published a VS Code extension with 25+ typed React/TypeScript snippets spanning core hooks, forms (React Hook Form + Zod validation), and API integration (Axios, TanStack Query), reducing repetitive boilerplate for common patterns.
- Independently managed the full release pipeline, such as packaging, Marketplace publisher setup, and versioned releases via vsce, shipping a publicly installable extension from scratch.

LEADERSHIP EXPERIENCE

Senior Resident Assistant | Acadia University

Aug 2024 - Apr 2025

- Supervised a team of 12 Resident Assistants, ensuring adherence to duty, documentation, and programming requirements.
- Fostered a community environment for 260+ residents and organized well-attended events; boosting morale of residents.

EDUCATION

Bachelor of Applied Computer Science

Sept 2021 - Dec 2025

Acadia University, Wolfville, NS

- GPA: 3.85 – Dean's List 2022, 2023, 2024 & 2025
- 4-year Entrance Scholarship; Residence Life Leadership Award