Mohammed Abdulla

Full-stack developer | Summer 2027 co-op | Flexible term length
Ottawa, Canada | Canadian citizen
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EDUCATION

Carleton University Sep 2023 - Present
Bachelor's degree in Computer Science, Cybersecurity stream

Algonquin College Sep 2020 - Aug 2023
Computer Programming

EXPERIENCE

Promote [Website] Mar - Aug 2026
Lead Engineer | Contract, three-developer team

- Built campaign management, creator dashboards, leaderboards and admin tools for a platform rewarding video creators for campaign views; **100,000+** registered users during my involvement.
- Translated product priorities into tasks, delegated work and coordinated delivery across three developers.
- Used Claude Code with Linear MCP, reusable skills and isolated Git worktrees to implement features, verify UI against Figma designs and validate functionality before my final review.

National Research Council Canada Sep - Dec 2025
Software Engineer | Co-op

- Modernized NRC's public website by migrating legacy content and functionality using Microsoft Power Platform, fixing production bugs and delivering English/French content updates.

Shredder / Zums May - Aug 2025
Software Engineer | Contract, initial apps built solo

- Shredder: launched a ski/snowboard matching and tracking app solo and built its staff dashboard. Returned to develop the rider-matching algorithm and fix bugs; **60,000+** registered users during my involvement. [App Store]
- Zums (May): shipped a survey-rewards app and dashboard for payout approvals and transactions. [App Store]
- Directed Claude Code to implement and test app and dashboard features, reviewing changes before acceptance.

Fisheries and Oceans Canada Nov 2023 - Jun 2024
Software Engineer, Survey Data Tools | On-call

- Built an Angular/Electron survey app solo to **record data offline** at sea, replacing spreadsheet-based entry.
- Enforced input standards; added JSON import/export to save, resume and transfer survey records.

Fisheries and Oceans Canada May - Aug 2022; Jan - Aug 2023
Software Engineer, Geospatial Tooling | Internships

- Reduced file searches from **minutes to seconds** in comparative tests using an Oracle index of Azure metadata.
- Built a Python/PyQt mapping plugin for QGIS, nightly metadata sync and automated Caris Cloud API tests.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C#, SQL
Web & data: React, Next.js, Angular, Node.js, REST APIs, Convex, Supabase, PostgreSQL, SQLite
Mobile & tools: React Native, Expo, Electron, Azure, Power Platform, Git, Vitest, Pytest, Jira
AI-assisted development: Claude Code, OpenAI Codex; MCP integrations, reusable skills, testing and review

SELECTED PROJECTS

Project IUoC [Website] | Sole developer | Volunteer
Built an education website and app with Quran reading, prayer times and automated YouTube library imports.

Pengu Focus [App Store] | Sole developer | Independent product
Designed and shipped a React Native/Expo focus app with shared sessions and unlockable penguin customizations.