

Max Abdullahi

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, SQL (PostgreSQL), Rust, C++, Java
Mobile & Frontend: React Native, React.js, Expo, Next.js, NativeWind, TailwindCSS
Backend & Data: FastAPI, PostgreSQL, Redis, REST APIs, Webhooks, Event-Driven Systems, LLMs
Infrastructure: Docker, AWS, GCP, Git, CI/CD, Grafana

EXPERIENCE

Founder / Software Engineer

January 2026 – Present

Taffi

Remote

- Built a cross-border payments mobile app from 0-to-1 using React Native, TypeScript, Expo, FastAPI, PostgreSQL, and Redis, owning the mobile experience, backend APIs, and transaction workflows
- Built and shipped mobile features including authentication, payments, transaction history, notifications, contact discovery, and real-time financial workflows
- Designed asynchronous backend services integrating payment and blockchain infrastructure through webhooks while maintaining consistent transaction state across delayed, duplicate, and out-of-order events

Software Engineer Intern

Aug 2024 – Dec 2024

Canada Revenue Agency (CRA)

Ottawa, ON

- Optimized PostgreSQL queries, reducing latency by 30% across production tax reconciliation systems
- Diagnosed and resolved production defects affecting high-volume financial processing and reconciliation workflows
- Built backend services supporting tax reconciliation, audit, and compliance workflows used by thousands of CRA employees

Software Engineer Intern

Sept 2021 – Jan 2022

Canadian Nuclear Safety Commission (CNSC)

Ottawa, ON

- Built a local-first React application for regulatory inspectors, implementing responsive interfaces, offline workflows, and structured data collection
- Developed reusable React components, form validation, and application state logic to improve consistency across regulatory inspection workflows
- Collaborated with engineers and stakeholders to ship user-facing features based on operational requirements and feedback

PROJECTS

Blinked | *Python, FastAPI, PostgreSQL, React Native, Next.js*

September 2025

- Built a digital marketplace across React Native, Next.js, FastAPI, and PostgreSQL, owning mobile features, backend APIs, payments, and client integration
- Designed idempotent payment workflows and webhook handlers that synchronize asynchronous payment events with marketplace orders
- Implemented secure digital file delivery using signed URLs, authorization checks, and expiring object access

Nightshade AI | *Python, FastAPI, PostgreSQL, Docker*

March 2025

- Built an AI-powered restaurant discovery platform using Python, FastAPI, PostgreSQL, React, and LLM-based search
- Designed ranking pipelines that transform natural-language queries into structured search signals for real-time restaurant recommendations
- Developed REST APIs and product features supporting search, filtering, and recommendations across thousands of restaurants

EDUCATION

Carleton University

Bachelor of Computer Science

Ottawa, ON

Expected 2027