

# Mahdi Taziki

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## SUMMARY

Full-stack developer specializing in TypeScript and the React ecosystem (React, Next.js, React Native), with hands-on experience shipping AI-powered features in production. Comfortable across Node.js, Supabase/Postgres, and Firebase, designing data models, APIs, and realtime systems.

## SKILLS

### Languages

TypeScript, JavaScript, Python, Java, C++, Dart

### Frontend:

React, Next.js, React Native, HTML5, CSS3, Tailwind

### Backend & Data:

Node.js, Supabase, PostgreSQL, Firebase, REST APIs

### AI:

LLM API integration, image generation (Gemini 2.5 Flash), embeddings and vector search (pgvector)

## EXPERIENCE

### Full-stack Developer, *ArclAce*

2024 – Present

Burnaby, Canada

- Architecting an architectural-competition platform end-to-end as the sole developer with Next.js 15, React 19, TypeScript, and Supabase/Postgres.
- Built a modular competition lifecycle with jury panels, rubric-driven scoring, isolated community voting, and staged winner reveals across multiple roles.
- Shipped a role-aware admin/CMS for non-technical users, plus authentication, multi-role access policies, realtime updates, and AI-assisted ideation on a unified Postgres schema.

### React Native Developer, *Zenfeat*

11/2023 – 06/2024

Toronto, Canada

- Led development of Zenfeat, a food-industry mobile app, implementing core features in React Native, TypeScript, and the MERN stack.
- Partnered with cross-functional teams on requirements and improved performance through targeted code optimizations.

### React Native Developer, *CJSF 90.1 FM*

11/2020 – 07/2023

Burnaby, Canada

- Developed and expanded app functionality in React Native and designed user-friendly interfaces to simplify station management.
- Contributed to code reviews and ran team meetings and troubleshooting sessions.

## PROJECTS

### Archetype, *AI Systems Designer · Academic Project*

2026

- Engineered a three-agent AI pipeline in Python/FastAPI that turns a single creative brief into a complete, consistent concept world.
- Built a Lore Agent on Gemini 2.5 Flash and a Structure Agent that converts narrative parameters into deterministic L-system fractal rules rendered as editable SVG, with a final Gemini Flash-Image pass guardrailed by the SVG and lore.

### SFU Lost & Found, *Mobile Engineer & Designer*

2025

- Built a mobile-first campus Lost & Found in React Native and Expo, scoped to SFU students through verified institutional email auth.
- Pushed moderation and access logic into PostgreSQL row-level security, keeping the app layer thin and the human moderation surface to a single screen.

## EDUCATION

### Simon Fraser University,

Bachelor of Science, Computer Science & Interactive Arts and Technology

2026

Burnaby, Canada