

# Danial Samadi

## Software Developer | Full Stack & Systems Engineering

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## EDUCATION

Computer Programming Diploma | Algonquin College, Ottawa ON

Expected Jan 2026

- **Relevant Coursework:** Operating Systems, Database Management, OOP, Network Security.

## SKILLS

- **Backend:** Go (Golang), Python, Node.js, Supabase (PostgreSQL), REST APIs, Concurrency
- **Frontend:** React 18, TypeScript, Next.js, Flutter, Tailwind CSS, HTML/CSS, Bootstrap, Vite, PWA
- **Database:** PostgreSQL, MongoDB, MySQL, Oracle, Prisma
- **DevOps & Tools:** Docker, Git, Azure DevOps, Bash, Linux, macOS

## PROJECTS

**Syncodoro (Offline-First Productivity PWA)** | React, TypeScript, Supabase, IndexedDB

- Engineered a production-grade, **offline-first PWA** using **React** and **TypeScript**, ensuring seamless state management.
- Designed a complex synchronization engine using **Supabase** and **IndexedDB** with **robust conflict resolution** strategies.
- Delivered a fully responsive application featuring a **Recharts analytics dashboard** that functions flawlessly **without network connectivity**.

**v2go (High-Performance Network Utility)** | Go (Golang), Concurrency, CLI

- Developed a **multi-threaded CLI tool** in **Go**, achieving a **99.7% speed improvement** over Python alternatives.
- Optimized algorithms to process **20,000+ configurations in 11 seconds**, utilizing **Goroutines** for massive parallelism.
- Implemented **automated deduplication**, validity checking, and subscription link generation to streamline network management.

**FindIT (Indoor Navigation System)** | Flutter, Python, MongoDB, OpenStreetMap

- Built a **cross-platform Flutter app** to solve GPS dead zones in large campuses, integrating **OpenStreetMap APIs**.
- Architected a unified **Python** and **MongoDB backend** to efficiently store nodes and calculate **pathfinding routes** for indoor navigation.

## CERTIFICATIONS

- **AI Agents Fundamentals** – Hugging Face (Nov 2025)
- **Linux Server Professional (LPIC-1)** – Fanavar Anisa (Feb 2024)
- **Python Programming** – Fanavar Anisa (Mar 2023)