

Ibrahim Faisal

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Professional Summary

Driven Software Engineering student at Carleton University with over 10 years of self-directed development experience, beginning at age nine. Founder of a software startup (Nexieon) and builder of a broad portfolio spanning compilers, cross-platform mobile apps, web frameworks, and AI-powered tools. Proven ability to balance full-time academics with entrepreneurial and professional commitments while maintaining a 10.0/12.0 CGPA.

Technical Skills

Languages	TypeScript / JavaScript, C#, SQL, Dart, Python, PHP, C/C++
Frameworks	Next.js, React, Node.js, .NET, Express, Flutter, Vue.js
Tools & Platforms	Git, Vercel, Supabase, PostgreSQL, SQLite, PowerSync, MongoDB, OpenAI API

Technical Projects

Codelang – Custom Programming Language

C#, .NET, Compiler Design

- Designed and implemented a fully interpreted programming language in C# from scratch.
- Built a recursive-descent parser that produces an Abstract Syntax Tree (AST) for source analysis.
- Implemented first-class language features including lexical scoping, user-defined functions, and control flow constructs within a custom execution engine.

Nexieon – Beauty Directory & Booking Ecosystem

Flutter, C#, PostgreSQL, Supabase

- Engineered a cross-platform booking platform comprising a Flutter mobile client and a .NET desktop administration suite.
- Implemented an offline-first architecture using SQLite and PowerSync to ensure seamless data persistence without connectivity.
- Secured the backend with Supabase Row-Level Security (RLS) to achieve strict multi-tenant data isolation.

TyphoonDotNet – Lightweight Web Framework

C#, .NET

- Built a minimalist C# web framework modeled after the Express.js routing and middleware paradigm.
- Designed a custom request-handling pipeline to reduce boilerplate and accelerate backend API development for .NET developers.

StudyAI – AI-Powered Learning Tool

Vue.js, Node.js, MongoDB

- Developed a full-stack application that dynamically generates practice quizzes via the OpenAI API.
- Architected the data flow between a Vue.js frontend and an Express/Node.js backend with Mongoose ODM integration.

Experience

Nexieon

Founder & Lead Developer

Ottawa, ON

June 2023 – Present

- Founded and operate a software startup, owning the full Software Development Life Cycle from architecture through deployment.
- Built and maintain customer-facing interfaces and internal tooling using Next.js, deployed via Vercel CI/CD pipelines.
- Architected multi-platform systems including a Flutter mobile app and a .NET desktop administration suite backed by a Supabase PostgreSQL database.

Pita Bell

Server

Ottawa, ON

July 2023 – December 2025

- Maintained 15+ hours of work per week in a high-volume environment while simultaneously carrying a full academic course load and a 10.0/12.0 CGPA.
- Developed conflict resolution and team communication skills in a fast-paced, customer-facing role.

Education

Carleton University

Bachelor of Engineering in Software Engineering (Co-op)

Ottawa, ON

Expected 2029

- CGPA: **10.0 / 12.0**
- Relevant Coursework: Object-Oriented Software Development, Introduction to Software Engineering

Udacity – Dubai Future Foundation

One Million Coders Certification (completed at age 11)

Online

2018