

# Aghilan Nathan

Calgary, AB | [LinkedIn](#) | [GitHub](#) | 403-400-3726 | [nathanaghilan@gmail.com](mailto:nathanaghilan@gmail.com) | [aghilan.me](http://aghilan.me)

## TECHNICAL SKILLS

---

- TypeScript
- React
- Express/NodeJS
- Python
- SQL (Postgres)
- Java
- Flask
- Azure
- Git and GitHub

## EDUCATION

---

### The University of British Columbia – Computer Science and Business

Vancouver, BC

BCom - Bachelor of Computer Science and Commerce (3.95 / 4.33)

Graduating April 2025

- Microsoft Azure Fundamentals Certificate
- Northwest Hacks 2022

## PERSONAL PROJECTS

---

[Skyfall](#) – Record legacy videos to be sent to your loved ones once you pass

May 2022 - Present

*ExpressJS, React, TypeScript, PostgreSQL, Azure, Redux*

- Created, tested, and maintained a REST API utilizing Azure while following the MVC design pattern
- Developed a highly interactive multipage UI with a mobile-first approach resulting in 15% increase in mobile users
- Cached returned API data resulting in reduced HTTP requests to the server by 70%
- Reorganized database by de-normalizing schema reducing the latency of read operations by over 50%

[Personal Finance Dashboard](#) – Track your expenses and investment diversity

Feb – April 2022

*React, TypeScript, PostgreSQL, Supabase*

- Integrated authentication via GitHub and established relationships between User's and corresponding data tables.
- Identified web-based user interactions and developed highly responsive User Interface via React Concepts
- Utilized multiple external API's like Yahoo Finance to ensure the latest data was delivered in real time
- Reduced original lead-time over 30% by segmenting components and forcing unnecessary re-renders.

[Split Fare](#) – Save on travel by meeting others with mutual destinations

Dec – Jan 2022

*Python, Flask, HTML/CSS, SQLite3, Heroku*

- Created CRUD application to connect UBC students going to the same location to split expenses.
- Implemented pagination resulting in reduced post data sent to client by over 75%
- Added ability to edit both posts and account information, e.g., updating your profile picture and forgot password.
- Deployed on Heroku via a GitHub repository allowing for continuous integration/deployment with each push.

## WORK EXPERIENCE

---

### Aghilan's Tutoring

Vancouver, BC

Private Tutor

Sept 2020 - Present

- Worked one-on-one with students seeking assistance in multiple learning areas such as Math, CS, Physics, English
- Experimented with marketing strategies to eliminate bottlenecks increasing revenue by over 200% over 2 years
- Developed and implemented comprehensive lesson plans that accommodated specific learners depending on level
- Average improvement of 23% per student in Physics, 20% in Math, and 18% in Computer Science respectively

**Interests:** Stoicism, Canadian Personal Finance and Investing, Entrepreneurship