Aghilan Nathan

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL

Frameworks: React, ExpressJS, Flask

Developer Tools: VSCode, Git and GitHub

EDUCATION

The University of British Columbia – Computer Science and Business   **Vancouver, BC**
BCom - Bachelor of Computer Science and Commerce (3.90 / 4.33)   *Graduating Dec 2024*
- Microsoft Azure Fundamentals Certificate (94%), Northwest Hacks 2022
- Introductory Functional Programming, Discrete Math, Object Oriented Programming

PERSONAL PROJECTS

Skyfall - ExpressJS, *React, TypeScript, PostgreSQL, Azure*   **May 2022 - Present**
Website to upload videos to be emailed to your loved ones in case you pass away
- 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 *- React, TypeScript, PostgreSQL, Supabase*   **Feb – April 2022**
Website to view your expenses and track stock portfolio performance and diversity
- 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
- Reduced original lead-time over 30% by segmenting components and forcing unnecessary re-renders.

Split Fare *– Python, Flask, HTML/CSS, SQLite3*   **Dec – Jan 2022**
Blogstyle website where user's contact user's going to similar destination to save on travel 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 and Physics
- Experimented with marketing strategies to eliminate bottlenecks increasing revenue by over 200% over 2 years
- Developed and implemented comprehensive lesson plans that accommodated High School and University students
- 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