Riyan Qureshi

U.S. Permanent Resident / Green Card Holder   Fremont, CA

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TECHNICAL SKILLS

- **Programming Languages:** Java, C, C++, Python, Assembly, Typescript, JavaScript, R, Racket, HTML, CSS, PHP
- **Technologies:** React-Native, Tailwind, React, AWS, NodeJS, GraphQL, Apollo, Express, MongoDB, Postman, Git, LaunchDarkly, NativeWind

EDUCATION

University of British Columbia   **Sep. 2022 – Apr. 2026**
Bachelor of Science in Computer Science   *Vancouver, BC*

Relevant Coursework: Algorithms and Data Structures, Introduction to Computer Systems, Statistical Inference for Data Science, Introduction to Data Science, Introduction to Computation, Programs, and Programming, Models of Computation, Software Construction, Calculus 1 to 3, Linear Algebra, Differential Equations

PROJECTS

Bagelicious: Budget Healthy Living App (IOS and Android)   **Jun. 2024 - Present**
- Developed an interactive recipe app using a React-Native frontend with TypeScript and Expo
- App is fully dynamic with custom animations, styles, and multi-screen, stack navigation using React Native Reanimated, NativeWind, and React Navigation
- Features API-fetched, categorized recipes with an image caching optimization for faster load times, and a YouTube mini-player accessibility feature for hands-off video instructions

Study Buddy: Get an A with AI (AWS AI/ML Hackathon)   **May 2024**
Amazon-Web-Service(AWS) and LaunchDarkly (Event Time Limit: 8 Hours)   *San Francisco, CA*
- Developed an interactive React based study bot web application that utilizes AWS Bedrock's generative AI models and LaunchDarkly's feature flags to help users more easily digest learning materials
- Utilized SASS to develop our frontend with a Node Express based backend

Instagram Clone Backend   **Jun. 2023 – Jul. 2023**
- Developed the signup flow and profile page functionality of Instagram
- Composed typesafe GraphQL APIs using Typescript and NodeJS with a mongoose ODM and MongoDB
- Implemented the Blowfish encryption algorithm to securely store sensitive user information in the database

Pokemon Battle Simulator: Video Game   **Jan. 2023 – Apr. 2023**
- Created a *Pokemon* battle simulator game using Java with 100% unit test coverage, a data persistence system, and an action event time logging system
- Documented a project roadmap, accounting for the scope and a 4 month engineering timeline of the project
- Reduced coupling by 80% after applying the singleton and observer design patterns, resulting in a modular and scalable program

WORK EXPERIENCE

Full Stack Software Developer   **Aug. 2024 – Present**
My Homework Rewards   *Toronto, ON*
- Developed an interactive, online integral calculus course with dynamic practice problems for students to solve, using vanilla PHP, HTML, and CSS.

High School AP Tutor   **Jun. 2020 – Present**
Waterloo Collegiate Institute   *Waterloo, ON*
- Assisted senior high school students in preparation for final/AP exams in subjects including calculus, physics, and chemistry, of which 75% obtained scores greater than 90%