Syed Bilal **Abdali**

☎ 647-913-6241 | ✉ syedbilalabdali@gmail.com | 💼 Portfolio | ⊙ GitHub | in LinkedIn

Skills

Languages C / C++, Java, JavaScript, Typescript, HTML, CSS, Python, SQL, and Bash (Shell Scripting).
Tools and Frameworks: Angular, Bootstrap, Node.js, Git, Linux, PostgreSQL, React, Firebase, and jQuery.

Work Experience

Rosedale Academy
Markham, On, Canada

SOFTWARE ENGINEER | JAVASCRIPT, React, AND React.
May 2023 - Sept 2023

- Introduced a region dashboard utilizing a REST API allowing customers to manage their personal regions.
- Migrated Selenium tests to Protractor using page object methodologies improving test time by 60%.
- Developed an interactive data visualization dashboard using D3.js and React, enabling real-time data insights and decision-making.

Ontario Ministry of Education
Toronto, On, Canada

SOFTWARE ENGINEER | ANGULAR (TYPESCRIPT), NODE.JS, AND JAVA
May 2022 - Sept 2022

- Optimized web application creation by developing a Node.js script and Kentico Kontent API, resulting in a 90% decrease in compile-time for structure creation.
- Converted Ontario's curricula from PDFs to an interactive web format using Angular, creating components and page routing for enhanced navigation and user experience.
- Refactored Java API endpoints to increase robustness, ensuring stable and reliable performance, and implemented unit tests to rigorously verify system integrity and functionality.

Rosedale Academy
Remote

Front-End Developer | JAVASCRIPT, REACT, AND PYTHON
May 2021 - Sept 2021

- Designed and implemented scalable React components to standardize UI elements across multiple web applications.
- Developed Python script utilizing Panda's library to autofill Excel sheets, streamlining PDF generation process.
- Optimized database queries and indexing in PostgreSQL, reducing data retrieval times by 40%.

Projects

Sneaker Automation Bot ↗
Automated purchasing system for limited-edition sneakers using Node.js / Puppeteer.

- Engineered a Node.js bot to automate purchases on Nike.com, simulating user interactions from login to checkout.
- Configured to handle product selection and payment processing, ensuring high success rates during sneaker releases.

Virtual Memory Management Unit ↗
A system for detailed virutal memory management.

- Crafted a C-based MMU Simulator to demonstrate logical-to-physical address translation, integrating TLB, demand paging, and LRU algorithms for authentic memory management.
- Enabled detailed simulation of memory operations, supporting variable configurations, and providing insights into system efficiency and behavior.

TripShare ↗
An Android application to connect tourists using Java, XML and Firebase Authentication & Database.

- Developed "TripShare," a social networking Android app for travel enthusiasts, featuring Firebase Authentication and Realtime Database for secure and dynamic content sharing using Java.

NBA Trading Cards ↗
E-commerce platform simplifying NBA trading card purchasing.

- Using React.js for front-end development to construct web-based NBA trading card store which integrates database APIs for dynamic card price and detail retrieval, alongside Stripe payment processing for secure transactions.

Education

York University
York, On, Canada

BSC Computer Science (Honors)
Sept 2020 - Apr 2025

- **Recipient of York University Continuing Student Scholarship**