

Bilal Syed Abdali

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EXPERIENCE

Rosedale International Education

Markham, On, Canada

Software Development Intern

May 2024 – Oct 2024

- Designed, built, and maintained the frontend interface for the LMS using **JavaScript** and **jQuery**, enhancing the user experience across both desktop and mobile platforms.
- Automated** the conversion of student information from spreadsheets into personalized PDF diplomas, completely eliminating the need for manual data entry. This **Python** workflow reduced a full day's process to just 30 minutes, efficiently processing over 1000 diplomas.
- Resolved critical incidents involving improper deletions in the **LMS** database by conducting thorough restoration processes, ensuring access to essential course materials for approximately 500 students.
- Managed **MySQL** databases for the LMS's grading system feature, devising and refining queries to enhance data retrieval efficiency by 20%, significantly speeding up report generation for teachers and administrators.

Software Development Intern

May 2023 – Sept 2023

- Developed an Assignment Submission Tracker **API** using **PHP** and webhooks to automate notifications for students and alerts for teachers about overdue assignments, significantly reducing late submissions by **25%**.
- Updated the frontend to incorporate the new brand identity, ensuring consistent aesthetics and functionality across all course pages.
- Contributed to a team effort in launching a tool that **streamlined** the onboarding and registration process by integrating **PHP** with Excel uploads. This initiative significantly improved class enrollment for new students by enhancing registration accuracy and efficiency on the **LMS**.

Software Development Intern

May 2022 – Sept 2022

- Regularly updated and maintained frontend course materials, modules, and digital assets within the LMS using **JavaScript**, ensuring seamless content delivery to over 5,000 users across 95+ partner schools.
- Tested custom **JavaScript** and **PHP** plugins, such as dynamic content filters and automated progress trackers, for the LMS.

Ontario Ministry of Education

Toronto, On, Canada

Junior Web Development Assistant

May 2021 – Sept 2021

- Optimized web application development by implementing a **Node.js** platform and integrating with the government's CMS API, achieving a 90% reduction in compile-time for front-end web page structures.
- Transformed static curricula PDFs into interactive web pages using the ministry's content management system, improving accessibility and navigation for educators and students.

PROJECTS

TripShare | Java, XML, Firebase, Figma

- Engineered 'TripShare,' an Android application for solo travelers, featuring social networking functionalities including user profiles and location-based connections. Backend developed in Java and deployed with Firebase; utilized Android Studio for development and Figma for UI/UX design.

BookHaven | React, Node.js, Express, MySQL, Docker, AWS

- Constructed a **full-stack** e-commerce platform using **React** for frontend and **Node.js/Express** for backend, handling user authentication, catalog browsing, shopping cart, and checkout processes.
- Deployed via **Docker** on **AWS**, integrated **MySQL** for data management, and implemented secure **RESTful APIs** for product and user operations.

EDUCATION

York University

Toronto, Ontario

Bachelor of Science Computer Science (Honors)

September 2020- December 2024

- Related Coursework:** Data Structures & Algorithms, Artificial Intelligence, Object-Oriented Programming, Software Testing and QA

SKILLS

Programming Languages: Java, Python, C/C++, SQL (MySQL, PostgreSQL), JavaScript, HTML/CSS, Bash

Frameworks/Libraries: Node.js, React.js, Angular, Bootstrap, Spring Boot

Platforms/Cloud Services: AWS, Azure, Docker, Heroku, Vercel

Tools: Android Studio, Eclipse, Jupyter Notebooks, Git, VS Code, Jira, Power Query, Selenium, Postman

CERTIFICATIONS

Amazon Junior Software Developer Professional Certificate

April 2025

The Complete Full-Stack Web Development Bootcamp

January 2024