

Shezan Mahmud

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Toronto, ON

SKILLS

Languages	Javascript • Typescript • Python • C • HTML/CSS • SQL • Verilog
Frameworks	React • React Native • Redux • node.js • Serverless • Express • mongoDB • Selenium
Tools	Git • AWS • Docker • pgAdmin • Postman • Expo
Concepts	Test Driven Development • Object Oriented Programming • MVC • Data Structures

WORK EXPERIENCE

MICROART MOBILE DEVELOPER

TORONTO, ON | JAN 2024 - APR 2024

- Resolved critical **Bluetooth connectivity** issues on multiple apps by debugging and optimizing **React Native BLE PLX** code for reliable and persistent connections improving end-user experience
- Improved **OpenCV** implementation for our wine recognition algorithm by refining **React Native** code, also added robust logging in **Supabase** to ensure accurate performance and future issue tracking
- Redesigned UI for cohesive and unified design across apps using **modern UI/UX principles** and deployed production-ready app to the **Play Store and App Store for multiple platforms**
- Refactored key components of the codebase and implemented **Prettier** and **ESLint** for consistent coding standards to **enhance DevOps workflows** and allow future interns to create better **GitHub pull requests**

VARICENT FULLSTACK DEVELOPER

TORONTO, ON | SEP 2022 - DEC 2022

- Developed an efficient **mass-selection and editing feature** for multiple zip codes and states on a **Mapbox.js, React, Typescript** app to streamline sales team workflows
- **Enhanced backend scalability** by implementing a cloning function to allow sales teams to duplicate data for new team members. Refactored codebase using **AWS Lambda, AppSync, GraphQL** and **PostgresSQL**
- **Implemented new user-facing features** such as enhanced filtering options, improved map interactions, various bug fixes and critical issues in timely manner improving overall user experience

RDS BROKERAGE FULLSTACK DEVELOPER

TORONTO, ON | SEP 2021 - DEC 2021

- Designed and implemented a dashboard for realtors to manage all of their clients and condo units in one place using **React, TypeScript** and **MongoDB**
- Implemented authentication and login using **JWT, bcrypt** and **Node.js** to allow **SSO** between portals
- Secured sensitive client data by implementing image and file upload functionality with **AWS S3**

ESPRESSO CAPITAL SALES ANALYST

TORONTO, ON | FEB 2020 - JAN 2021

- Researched financials for SaaS companies to find suitable prospects of Espresso's venture debt offerings
- Took **initiative outside of given tasks** to automate data collection through **webscraping** using **Selenium** and also **automate recurring excel tasks using Python** to save time for myself and co-workers

SIDE VENTURES

PAYO: EASY MONEY TRANSFER CO-FOUNDER

- **Peer-to-peer payments app** to allow easy money transfer between friends without Canadian bank accounts
- Developed a beta version to use between friends using **React Native** and **Express, Supabase** backend, hoping to launch to more users by next year

SHEBA: EMPOWERING PATIENT-CENTRED HEALTHCARE FOUNDER

- Developing a mobile application leveraging **AI/LLMs** to ensure access to certified healthcare providers for rural Bangladeshis and provide basic health advice
- Currently in early stages and implemented **Bengali voice chat** functionality using **ChatGPT Whisper API**

EDUCATION

B.ASc in Computer Engineering w/ 5 co-op terms

WATERLOO, ON | EXPECTED GRAD 2026

UNIVERSITY OF WATERLOO