

Ahsan Irfan



Education

Queen's University

Bachelor of Computing, Computer Science

September 2019 - December 2024

Kingston, Canada

Courses: Data Structures, Algorithms, Computer Architecture, Human-Computer Interaction, Software Quality Assurance

Skills

Languages: JavaScript/TypeScript, Python, Java, C#

Frameworks / Libraries: React, Angular, Jasmine, Node.js, Express, .NET

Tools: MongoDB, SQL, Git, UNIX/Linux, GPT, Unity, Figma

Experience

SOTI | Software Developer Intern

January 2023 - December 2023

Mississauga, Canada

TypeScript • Angular • C# • .NET • SQL • Jasmine

- Participated in the migration of legacy codebase to modern **Angular**, reducing code complexity and improving maintainability
- Developed and migrated email notifications to a new system with zero downtime and no customer disruption, resulting in a more reliable, scalable, and secure system that supports email delivery via Office 365 and SMTP
- Localized flagship product for Japanese market, enhancing accessibility and user experience
- Conducted thorough unit and integration testing using **Jasmine**, identifying and resolving bugs early in the development lifecycle

September 2020 - December 2022

Kingston, Canada

QWeb | Software Engineer

- Worked in teams with other Queen's students to learn web development concepts and tools
- Built web applications using the **MERN** stack for various clients
- Contributed to planning and creation of tutorial content for new members

Projects

Lantec Builds | <https://lantecbuilds.com>

JavaScript • React

- Responsive website for a construction company operating in Muskoka, integrating client contact forms, dynamic portfolio sections, and SEO optimization to enhance online visibility and user engagement.

NBA Versus | <https://www.nbaversus.com>

JavaScript • React • Node • Express • MongoDB

- **React** web app that leverages the official **NBA API** to let users compare and analyze their favorite players
- Built an API using **Express** that enables users to retrieve various stats and cast votes to a global leaderboard
- Used **MongoDB** with **Mongoose** to define and interact with documents for votes and users
- Implemented protected routes using **JWT** authentication to enable users to create accounts and track their favorite players and teams

GlassVault | <https://github.com/Ctrl-Ahsan/glassvault>

JavaScript • React

- Crypto portfolio web app made using **React** that lets user see hidden analytics like total trading fees
- Retrieved and analyzed the user's trading information using **Binance API**
- Used **Recharts** to plot and display average-buy-price over time for each held asset