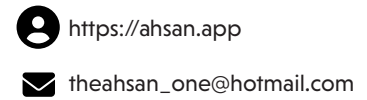


Ahsan Ahmad



Education

Queen's University

Bachelor of Computing, Computer Science

Expected Graduation, June 2025

Kingston, Canada

Courses: Data Structures, Algorithms, Computer Architecture, Operating Systems, Software Quality Assurance

Skills

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

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

Tools: MongoDB, SQL, Git, Jira, UNIX/Linux, Firebase, Figma, Postman

Concepts: Object-Oriented Programming, System Design, Performance Optimization

Experience

Software Developer Intern | SOTI

January 2023 - December 2023

Mississauga, Canada

TypeScript • Angular • C# • .NET • SQL

- Participated in the migration of legacy codebase to modern **Angular**, reducing code complexity and improving maintainability
- Developed a reporting feature in a distributed system, enabling users to schedule and automate data insights
- Localized flagship product for Japanese market, enhancing accessibility and usability for international clients
- Conducted thorough unit and integration testing using **Jasmine**, identifying and resolving bugs early in the agile development lifecycle

Projects

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

JavaScript • React • Node • Express • MongoDB

- Built an NBA analytics platform that lets users to compare players, vote on daily matchups, and analyze betting props based on historical data
- Developed RESTful APIs within a scalable architecture to power core platform functionality
- Integrated **Firebase** Auth to replace custom JWT logic, simplifying authentication and improving security
- Designed and enforced daily limits and feature gating using **Firebase** custom claims and **MongoDB**
- Implemented **Stripe** payments to monetize premium features, converting real user traffic (**500+** visitors) into paying subscribers

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

JavaScript • React

- Responsive **React** website for a Muskoka construction firm, integrating client contact forms and portfolio sections to enhance online visibility and user engagement.

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

JavaScript • React

- Created a crypto analytics dashboard using **Binance API**, showing hidden metrics like average buy price and trading fees through structured data processing pipelines
- Engineered dynamic charts with **Recharts** to visualize average buy price over time and trade history