

# HUSSAIN ABUWALA

Waterloo, Canada

**Portfolio:** [hussainabuwala.github.io](https://hussainabuwala.github.io)

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## About Me

2+ yr software development experience. **Masters in Computer Science.** **Motto:** Stay Hungry, Stay Foolish!

## Technical Skills

**Programming Languages:** JavaScript / ES6, Python, C, C++, TypeScript, Java, HTML, CSS, PHP, SQL.  
**Frameworks:** Node.js, Express.js, React.js, Bootstrap, EJS, Jest.  
**Databases:** MySQL(Relational Database), MongoDB (NoSQL), Google Firebase, Amazon S3, DynamoDB.  
**Tools:** Git, GitHub AWS, GCP, webpack, Vite, Docker, netlify, RESTful APIs, GraphQL, Postman, Insomnia.  
**Skills:** Front-end, Back-end, Full-Stack, Problem Solving, Communication, Detail-oriented.

## Education

### University of Waterloo

January. 2022 – April 2023

*Master of Mathematics (MMath) in Computer Science, CGPA: 94/100*

Waterloo, ON

### Monash University

Feb 2016 - June 2020

*Bachelor of Computer Science (Honours), CGPA: 4.0/4.0, Awarded Overall Best Graduate*

Clayton, Australia

## Relevant Experience

### BillEase

Dec 2020 - Dec 2021

*Co-Founder and Lead Full Stack Developer*

Chittagong, Bangladesh

- Developed full-stack web applications with **React, JavaScript** for front-end & **Node.js, Express.js, MySQL** for back-end, to manage bills for 5 businesses, generating \$5000 in annual revenue within the first year of operation.
- Reduced data entry errors by 30% and improved overall efficiency, resulting in a 50% decrease in bill processing time for clients. Saved up to 1 hour of employees' time everyday for bill searching using SQL queries.
- Led a team of 4 software developers through the entire **Software Development Life Cycle (SDLC)**, supporting a code-base of 3000 lines and 50 users.
- Designed and integrated data visualization features, including interactive charts and graphs, enabling clients to gain real-time insights into their bill data. Increased project revenue by \$100000.

### Central Hardware Stores

Nov 2019 – Nov 2020

*Software Developer*

Chittagong, Bangladesh

- Created and implemented core functionalities of a bill management application, enabling users to enter, store, and retrieve bill data efficiently, contributing to a 1 hour reduction in manual data entry time every day.
- Collaborated with a cross-functional team of 5 developers and designers to enhance the application's user interface, resulting in a 50% increase in user satisfaction, as measured by post-release user feedback.
- Deployed & Integrated Continuous Integration / Deployment Pipeline. Reviewed Pull Requests (PRs), and performed deep code reviews. Experienced Agile and Scrum working methodologies in an office environment.

## Projects

**DocClone** (Code Preview) | **HTML, React, Bootstrap, Socket.io, Google Firestore, Quill, Node.js, JavaScript.**

- Developed an app to track user contributions when collaborating on digital documents through keystrokes, inserts, formats and deletes. This allows users with the most significant contributions to be identified.

**AppliTracker** (Live Preview)(Code Preview) | **HTML, CSS, Bootstrap, Google Firebase, React, JavaScript.**

- Created a job-tracking application designed to streamline the process of job search and application process with features such as seamless sign-up / sign-in experience and document management.

**Bohra Connect** (Live Preview) (Code Preview) | **React, Bootstrap, Firestore, Express.js, Node.js, JavaScript, Mapbox.**

- Built Bohra Connect, an app designed to foster meaningful connections among members of the Bohra community through. The app allows users to create profiles and display them on a map, using markers with their desired location.

**Human Resources and Sales Order Warehouse** (Code Preview)| **Multi-fact Star Schemas, OLAP, MySQL, SQL.**

- Developed a data warehouse through the process of creating an ER diagram, data cleaning, designing multi-fact star schemas, OLAP queries to perform data analysis and query optimization using access plans and query trees.