Mustafa Timbawala

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SKILLS AND ABILITIES

Languages: Python, HTML/CSS, JavaScript, TypeScript, C, Java, Assembly, Bash
Frameworks: React, NextJS, Node, Flask, Express, Expo, JUnit, Pandas, NumPy
Databases: SQL, SQLAlchemy, Firebase, MongoDB, SQLite, AWS, Neo4j, PostgreSQL
Tools: GIT, PyCharm, Android Studio, XCode, Eclipse, Figma, Agile, GitHub, Google Cloud Platform, Postman, React Testing Library, Jira, SLACK
Interpersonal Skills: Strong verbal and written communication skills, developed interpersonal skills, quick to adapt, team player.

PROJECTS

Quotis | *Full Stack Developer*

- Developed a **web application using Expo** to connect construction professionals with clients, ensuring robust performance and scalability.
- Utilized **MongoDB** for database management and **TypeScript** for backend development, enhancing code quality and maintainability.
- Integrated **Node.js** for server-side functionalities and optimized client request handling.
- Collaborated in an **Agile environment**, using **Jira** for project tracking and maintaining clear documentation for team continuity as well as **Git for version control**.

SharesSpace | *Full Stack Developer*

- Developed a **database-backed social network** application using **Python Flask** for the backend, with **HTML** and **CSS** for the front end.
- Implemented comprehensive stock analysis for hundreds of S&P 500 stocks, leveraging up to 8 years of historical data for in-depth performance tracking and prediction.
- Utilized **PostgreSQL** for robust database management, handling complex queries and calculations for portfolio statistics, including Beta, covariance, and correlation matrices.
- Deployed the application on **Google Cloud virtual machines**, ensuring scalability and high availability.
- Integrated social networking features, allow users to manage friends, share stock lists, and write reviews, enhancing user interaction and collaboration.

CMS Hub | *Full Stack Developer*

- Spearheaded **Agile development** process using **Scrum methodology** for an Android application tailored to CMS department needs.
- Adhered to **SOLID principles** in designing and developing code, ensuring maintainability, scalability, and reusability across the application.
- Implemented **user stories** such as complaint submission, event notifications, RSVP functionality, and feedback provision.
- Utilized **Android Studio** for development and Jira for user story tracking, conducting stand-up meetings for progress updates.
- Conducted rigorous testing, refactored the login module using the **Model-View-Controller** approach, and wrote **JUnit tests** to validate presenter behavior.

EDUCATION

University of Toronto | *Specialist in Computer Science, Software Engineering Stream*
- **Relevant Coursework:** Intro to *Databases(CSCC43), Web Development, Intro to Software Engineering (CSCC01),Human-Computer Interaction (CSCC10), Data Structures and Algorithms, System Programming (CSCB09)*