Tahmeed Mostafiz

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Skills

Languages: Python, C++, TypeScript, Kotlin, Dart, C, Bash, R, XML, HTML, CSS

Technologies: React, Node, GraphQL, PostgreSQL, MongoDB, Firebase, Flutter, AndroidStudio, Docker, Heroku

Education

University of Waterloo

CANDIDATE FOR B.S. IN COMPUTER SCIENCE

- Cumulative Average: 92.0 (3B), Computer Science Upper-Year Scholarship
- Relevant Courses: Algorithms, Operating Systems, Data Structures and Data Management, Object-Oriented Software Development

Experience _____

Wish Toronto, Canada

SOFTWARE DEVELOPER Jan 2022 - Apr 2022

- · Software Developer on Wish's Marketplace payments team working with Python, MongoDB, GraphQL, Superset
- Optimized bulk processing of one-time payments by batching and queuing for backend workers, saving Accounting team 10 hrs/month
- Designed payment validation logging schema, stored on Prometheus, and visualized on Grafana in daily crons that process over 9M payments

HomeX Toronto, Canada

SOFTWARE DEVELOPER May 2021 - Aug 2021

- Introduced Flutter web support for Twilio Video utilizing event listeners, streams and js interop garnering 150+ likes on pubdev: PR
- Built a Backend For Frontend (BFF) with a GraphQL API, integrating multiple micro services and consumed by client-facing applications
- · Launched cross-platform modularized video-calling pitched at company-wide presentation and wrote formal feature proposal (PR FAQ)
- · Implemented logic using native Android code to offload tasks in the background decreasing app startup time by 45%
- Redesigned HomeX app's homescreen using null-safe Flutter UI and various service managers adhering to MVVM architecture using MobX

TD Bank Waterloo, Canada

SOFTWARE DEVELOPER

Sept 2020 - Dec 2020

- Built an interactive site with embedded playlists and slideshows for virtual events won TD Hackweek and presented to SVP of TD Bank
- Safeguarded database changes using atomic transactions and optimized HTTP requests by 34% by caching data in Firebase's global CDN
- Developed an invoicing app using Flutter with event-triggered cloud functions to perform CRUD and generated unique invoice webpages
- Automated user authentication and interac request money-flow with pupeteer scripts utilizing async/await patterns and the js event loop

UWBlueprint Waterloo, Canada

PROJECT LEAD Sept 2021 - Present

- Lead team of developers and designers to build a full-stack application for an NPO using React, Node (Express) and PostgreSQL
- Designed relational database schemas, configured CI/CD pipelines, and dockerized application to facilitate friction-less development
- · Setup staging and prod environments on Heroku, optimized for client's budget constraints and managed secrets using Vault
- Implemented Sequelize (ORM) models with complex associations featuring transactions, constraints and eager loading tested using Jest
- · Facilitated weekly work-sessions, bi-weekly client meetings, 1 on 1s, sprint planning, code reviews, debugging support and of course, socials!

Projects

Subleteer 🖸

MONGODB, EXPRESS, REACT, NODE, REDUX, JWT

- · Built with React hooks and Redux; leveraged Google Places API to power address autocompletion and provide geolocation services
- · Created a set of services using Express (Node) and MongoDB to allow the UI to retrieve filtered listings and user data
- Implemented user authentication on Nodejs using **JWT Tokens** and **bcrypt**

UWScheduler 🖸

Angular, Bootstrap, Material, Flask

- Implemented the Angular UI elements using Material/Bootstrap components and handled user input by leveraging Reactive Forms
- Developed REST APIs (backend) using Flask for parsing the JSON responses scraped from various sites
- Improved page load time by 20s by developing a caching solution for previously scraped data

Watopoly

- · Built a command-line version of Monopoly utilizing MVC, Observer, Visitor and RAII design patterns
- Utilized an effective git branching model, peer reviews and regression testing to ensure bug-free code

TAHMEED MOSTAFIZ · RÉSUMÉ FEBRUARY 22, 2022