

Tahsin Ahmed

Full Stack Software Engineer

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Technical Skills

Front end: JavaScript, React, React Native, Redux, Backbone, Mocha / Chai, Jest, HTML, CSS, jQuery, Babel, Webpack, EJS

Back end: Express, Node JS, MySQL, Mongo, Mongoose, PostgreSQL, Sequelize, Docker, Artillery.io, Socket.io, Heroku

Software Engineering Applications

Blueberry Express - A Language Learning Application that Connects Students and Teachers | [Project Link](#)

- Designed and implemented feature components with React, Material-UI and TailwindCSS to format a user friendly Student and Teacher Portals
- Researched feasible libraries and technologies to optimally capture all user stories
- Collaborated with Architect to design initial Figma wireframes and efficiently strategizing all project sprints
- Worked closely with backend team to effectively build RESTful APIs using Sequelize to ensure separation of concerns and simplify interactions with the PSQL database

Lion's Den - React-Based E-Commerce App | [Project Link](#)

- Utilized React, React-Bootstrap, and Hooks to develop and format a cohesive ratings and reviews feature
- Transformed and loaded existing CSV data into PostgreSQL for flexible structuring and fast indexing
- Designed RESTful API using Sequelize and Express optimized to achieve 300 RPS
- Identified system bottlenecks using Artillery.io's stress-testing reports to prioritize high ROI optimizations
- Collaborated with a team of 4 software devs using Git, Trello, Agile to optimize workflow and code efficiency

Callback - A Real-Time Video and Messaging Platform | [Project Link](#)

- Used server-side templating language such as EJS to generate HTML markup to display video and chat
- Applied PeerJS to wrap the browser's WebRTC implementation to create a P2P connection to a remote peer
- Implemented chat room functionality using Socket.IO which enabled real-time and bidirectional communication
- Employed UUID library to generate unique room ids

Experience

Stryker - Associate Engineer

2019 - 2020

- Maintained KPI for monitoring of process quality, performed analysis, interpreted trends, and took actions as necessary to provide proficiency to the NC-CAPA process
- Initiated and maintained nonconformance and CAPA reports through company's QMS software, **Trackwise**, while working closely with individual record owners with processing and closing records

Siemens - Quality Engineer

2018-2019

- Supported in CAPA investigations by utilizing **SAP P41** to evaluate and disposition nonconforming materials
- Worked cross-functionally to properly document non-conforming materials from various product lines

Soterix Medical - Operations Engineer

2015-2018

- Developed strategic partnerships with suppliers and negotiated long-term contract agreements with critical vendors by defining supply and quality arrangements

Education

Hack Reactor - Advanced Software Engineering Immersive Program

2021

City College of New York - Bachelor of Engineering, Biomedical Engineering

2018