UMAIR IQBAL

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github.com/umair-Iqbal-debug

WORK EXPERIENCE

The Davey Tree Expert Co, Software Engineer Intern   June 2022 – October 2022
The Davey Tree Expert   *Kent, OH*
- Co-led the front-end development of app using SAPUI5 JavaScript framework, for streamlining business partner management and data integrity.
- Achieved a 5% improvement in web application performance by optimizing oData read calls with concise select queries.
- Deployed web applications to SAP Fiori LaunchPad, effectively serving over 500 users across the USA and Canada.
- Developed an API to facilitate efficient searching and sorting of business partner information, resulting in improved code readability, debugging, and maintenance.
- Collaborated with a senior software engineer, engaging in meetings and discussions to enhance user-interface and make informed trade-offs.
- Enhanced code quality by refactoring JavaScript promises to asynchronous/await and implementing ES6 features.
- Implemented internationalization (i18n) by integrating i18n files to accommodate global users.

PROJECTS

Playlister | MongoDB Express React Node CSS3   Fall 2022
- Developed and deployed a music video streaming platform, with a responsive layout, using a tech stack that included MongoDB, Express, React, Node, and CSS3.
- Implemented robust security features including user accounts, authentication, and authorization using JWT and BCRYPT, ensuring data privacy and protection.
- Playlister allows users to listen to, create, upload, comment on, like, and dislike playlists of YouTube music videos.
- Conducted a 1-1 presentation for grading, showcasing the application's features and functionality, resulting in a perfect score of 100 on this project
- Integrated the YouTube I-frame API by creating a react wrapper class, resulting in a user-friendly interface for playlist navigation, video playback, pausing, and playing.
- Established continuous integration and continuous deployment (CI/CD) by linking the GitHub repository to automatically deploy changes, streamlining the development process.

Expense Tracker Android App | Java, Android Studio, CSS   Fall 2021
- Implemented a custom Android expense tracker app using Java tailored to the needs of elevator engineers at D&D Elevators.
- Independently designed, integrated user feedback, and optimized the app, resulting in streamlined expense tracking and automated expense report generation.
- Distributed the app to industry colleagues,reducing manual effort and promoting environmental sustainability.

Text Editor | Java, JavaFX, CSS   Fall 2021
- Crafted a JavaFX-based desktop Text Editor for an Object-Oriented Programming class.
- Implemented Material Design principles despite limited CSS support, enhancing the user interface.
- Engineered custom data structures for efficient processing of large text files, including books with up to 600k words.
- Utilized Java IO libraries to enable text file creation and editing by users.
- Employed a Model-View-Controller (MVC) design pattern for organized code architecture.

EDUCATION

Stony Brook University   Stony Brook, NY
Bachelor of Science in Computer Science   *Expected May 2024*
- GPA: 3.62
- Dean's List

TECHNICAL SKILLS

Technologies: Python , Java , JavaScript, React, C, HTML5, CSS3, SAPUI5, Express, MongoDB, MySQL, SQL
Courses: Data Structures & Algorithms, Object Oriented Programming, Intro to Software Engineering, System Fundamentals, Probability & Statistics, Linear Algebra