

Joseph Fantuzzi

Full-Stack Software Engineer

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TECHNICAL SKILLS

HTML | CSS | JavaScript | Typescript | React | Redux | Next.js | TailwindCSS | SASS/LESS | Node | Express | SQL | Postgres | Jest | Cypress | Docker | Git | GitHub | Trello | Jira | UI/UX | Agile Methodology | Data Structures & Algorithms

PROJECTS

Cryptocurrency Tracker, Full-Stack Engineer - [Website](#) | [GitHub](#)

- Designed and constructed a feature-rich full-stack application that empowers users to track the top 250 cryptocurrencies
- Integrated a fully responsive design using TailwindCSS, ensuring optimal viewing experiences on all device types and sizes
- Leveraged React for the view-layer functionality and user interface, delivering a seamless and intuitive user experience
- Enabled a powerful search functionality, accessing real-time coin data through Axios requests to the CoinGecko API
- Implemented a favorites list for easy tracking of favorite cryptocurrencies through persistent database storage
- Structured a robust back-end database using Postgres, with Express providing API endpoints for seamless interaction via CRUD operations
- Implemented secure user authentication utilizing JWTs and password protection, hashing passwords with Bcrypt for maximum security

Algorithm Playground, Front-End Engineer - [Website](#) | [GitHub](#)

- Developed a front-end application that visualizes complex algorithms, utilizing React and advanced Data Science logic
- Implemented an interactive 30 x 30 node graph, enabling users to perform depth and breadth first search algorithms with ease, starting from a selected node and ending at a chosen destination
- Integrated an intuitive and visually appealing UI/UX design, leveraging CSS to enhance user experience

Code to Image Converter, Front-End Engineer - [Website](#) | [GitHub](#)

- Developed a user-friendly front-end interface using React, allowing users to create and download source code images
- Integrated an elegant and responsive UI/UX design, utilizing Styled Components
- Leveraged the CodeMirror editor component, providing in-editor code support for 12 programming languages
- Implemented dynamic customization options, including the ability to change background colors, switch modes, and adjust padding, through the manipulation of React state

EXPERIENCE

Underdog Devs, Bloom Institute of Technology, Full-Stack Engineer Apprentice - [Website](#) | [GitHub](#) 2022 - 2022

- Contributed to a cross-functional team of Front-End Engineers, Back-End Engineers, Data Scientists, and UX Designers in a collaborative and adaptive project management environment, utilizing Agile principles
- Applied expertise in Node, Express, and Postgres to architect and iterate modern and scalable REST APIs consumed on the view-layer of the application
- Created intuitive UI/UX designs using Figma and effectively communicated with Front-End Engineers to ensure accurate implementation, resulting in a 90% satisfaction rate among end-users
- Implemented thorough unit testing on front-end components using Jest and React Testing Library to ensure high-quality and reliable software

EDUCATION

Bloom Institute of Technology (BloomTech), Graduate, Full Time Program, Full-Stack Web Development 2022 - 2022
Penn State University, Completed majority of credits towards a B.A.E. in Architectural Engineering (3.8 GPA) 2018 - 2021