

MICHAEL VILLAMOR

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SKILLS

JavaScript (ES7+), TypeScript, React, Redux, REST API, Node.js, Express.js, Python, Webpack, Git, HTML, CSS, SASS, DOM, Next.js, SQL (Postgres/MySQL), NoSQL (MongoDB), Electron.js, AWS, TDD (Jest/Puppeteer/SuperTest), Docker

EXPERIENCE

• Front End Engineer I Nautilus

April 2022 - Present

- Developing a tool that converts and deploys docker-compose files locally via abstraction of the Docker CLI and visualizes containers to streamline the development process
- Employed React with hooks for its stateful components to ensure fast and efficient UI updates and one-way data flow and readability
- Transitioned application to Redux through RTK to supply a single source of truth for state management, create cleaner and more readable code, and provide scalability and maintainability to the application for new components and features
- Modernizing UI to create a more intuitive and enhanced user experience
- Utilizing TypeScript for its strong static typing to prevent implicit type coercion during development, enabling early bug detection and improving overall legibility of codebase by providing enhanced readability and error handling
- Packaged application with Electron to enable a desktop ready product tailored for various OS systems, eliminating exposure to network calls and ensuring confidentiality of docker container information and providing a versatile developer environment
- Product developed under tech accelerator OS Labs | <https://github.com/open-sourcelabs>

OPEN SOURCE

• Software Engineer I SpotiFynd

2022

- Constructed a RESTful API using Node.js in conjunction with Express, using the middleware design pattern of modularized routers, controllers, and error handlers to support extensive HTTP requests to numerous endpoints
- Connected a NoSQL Database for its flexible schema design to reduce API calls and provide rapid scalability through leveraging MongoDB's high availability and quick data access
- Implemented OAuth through Spotify in order to safely acquire user account information to provide a personalized experience for users while minimizing the risk of compromising sensitive user data

• Software Engineer I RestuWant

2021

- Utilized Jest Testing Library for unit testing, Puppeteer for E2E testing, and SuperTest for API testing to incorporate a fully test driven development environment in order to futureproof the codebase against potential bugs
- Incorporated CSS Tailwind to enhance UI elements and modernize design to provide an elevated user experience

EDUCATION

• Codesmith | Advanced Engineering Immersive

• Stony Brook University | B.S. Polysomnography Technology