Biet Van Nguyen

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https://github.com/vanbietnguyen

TECHNICAL SKILLS

Skilled: JavaScript ES6+, React (Router, Hooks), Redux, Express, Node.js, Python, Postman, Docker, REST API, Javascript Testing Framework, Test Driven Development, Jest, Enzyme, CI/CD, Git/Github, Webpack, OAuth, Django, PostgreSQL, MongoDB, Agile Development, RDBMS
Experienced: GraphQL, C, TravisCI, Websockets.io, BCrypt, Electron, AWS

PROFESSIONAL EXPERIENCE

Dockure | *OS container orchestration tool* | *Dockure.com* | *Developed under tech accelerator OS Labs*   **New York, NY**
Full Stack Engineer/Product Lead   *2021-Present*
- Implemented Express routes architecture for clear separation of responsibilities in rendering container metrics
- Designed REST API to enable flexibility for developers to perform complex Docker orchestration actions (create, build, pull)
- Configured bidirectional SOCAT access to docker daemon API by exposing unix socket over TCP to manipulate containers
- Built decoupled React components so developers can efficiently debug and/or modify when adding new features
- Wrote robust Jest/Enzyme testing suite to deliver accurate component implementation for easier future iteration
- Set up data transfer of actionable docker metrics via cAdvisor and Prometheus, visualized in real-time with reCharts

New York City Department of Education | *http://intro2018cs50nestm.net/*   **New York, NY**
Computer Science Teacher   *2016-2021*
- Designed project-based curriculum based on Harvard's CS50 in C and Javascript and core Computer Science practices
- Taught approximately 80 students to develop technical understanding of C and Javascript and core Computer Science practices such as data types, structures, algorithms, and functional programming

OPEN SOURCE

Job tracking and analysis tool | *https://github.com/E-lava/notJobbit*
- Implemented Google OAuth to streamline authentication for users, with React Router for seamless experience
- Incorporated Redux hooks, PostgreSQL to track status changes made on UI to persist user configurations across reusable components, with progress reports dynamically designed using Recharts in real-time
- Utilized reCharts to organize data and dynamically design graphs based on joblist data from Redux and database

WobbleChat | *Anonymous chat rooms and message boards* | *https://github.com/wobblechat2-0/wobblechat*
- Integrated WebSocket protocol to establish a duplex protocol between users and the server to allow real-time data transfer enabling the application to display the latest information in low latency
- Utilized SQL database to leverage relational data between unique users and message boards within separate schemas
- Constructed interactive message boards that allowed users to anonymously post questions and discussions using React to dynamically create components and render messages based on fetch requests sent to the database

Visualizer for sorting and navigating algorithms in real-time | *https://github.com/vanbietnguyen/AlgorithmVisualizer*
- Dynamically rendered algorithmic sorting processes in React components using setTimeouts and asynchronous queues so users can better visualize algorithms and their differences, and develop an intuitive understanding of their time complexities
- Created feature that updates sorting processes in real-time by using Redux to capture sorting speed and cluster size parameters set by the user

EDUCATION

Brooklyn College | *Masters of Education*   *2016-2019*
Wheaton College | *BA, Philosophy* | **Honors:** *Posse Foundation Full-Tuition Leadership Scholarship*   *2012- 2016*

INTERESTS

Volunteer: *Chinese Consolidated Benevolent Association* | Organized events consisting of approximately 100 volleyball teams
Hobbies: Playing sports (volleyball and basketball), coaching volleyball, teaching, playing music (guitar, piano vocals)
Language Skills: Fluent in Vietnamese