

# Brian Pham

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## Technical Skills

- **Front-end Development:** Javascript, Typescript, React, HTML5, CSS3, Chakra-UI, Material-UI, TailwindCss, Redux
- **Back-End Development:** Express, Node.js, MongoDB, PostgreSQL, MySQL, RESTful API, Python, Databases
- **Testing/Deployment Suite:** Jest, Mocha, Chai, AWS: EC2, Vite, Nginx, CI/CD
- **Developer Tools:** Git, Agile, npm, vim, Webpack, Babel, Docker, Object Oriented Programming (OOP)

## Software Engineering Applications

**Fullstack Engineer** | Community Crossing | github.com/community-crossing 2022

*Created a social media platform with a team of 6 engineers using React and PostgreSQL*

- Constructed nested sequel queries with json aggregates to create REST APIs and prevent multiple calls to the database to prevent overload on server
- Built out a clear news feed infrastructure using React and Chakra-UI so users can easily see, create, or join groups with others
- Integrated Google Maps API so users can route to events posted on the platform

**Fullstack Engineer** | New.GG | github.com/New.GG 2022

*Constructed a simulator to help new players pick a champion for the game LOL using React and MongoDB*

- Adopted Riot's Data Dragon API to retrieve the collection of images to bring the art of the League of Legends universe to the application
- Used Typescript to clearly enforce types so the expected data loaded into the database through Mongoose would properly render onto the client

**Front-end Engineer** | Atelier | github.com/Atelier 2022

*Designed a ratings and reviews section for an ecommerce website with over 10000 products using React*

- Implemented a sort and search feature with Axios requests to allow user to easily navigate through reviews by having the data be conditionally rendered based on user's request
- Added visual hover, focus, and loading effects to enhance user interface using CSS features such as transitions and animations

**Back-end Engineer** | Fresh Threadz | github.com/FreshThreadz 2022

*Deployed a Rest API on AWS ECS for an existing ecommerce front-end application using PostgreSQL*

- Created a load balancer with Nginx using 3 servers to achieve response times of as low as 35ms with over 7000 requests per second and 0 error rates
- Optimized request times using nested queries to reduce stress on database which allowed for more clients per second to access the platform

## Professional Experience

**Software Engineer Teacher Assistant** | Galvanize | Remote 2022 - 2023

- Mentor incoming engineers by providing technical guidance with Javascript, Nodejs, and React fundamentals to help build out fullstack applications
- Assigned a team to design a web-app called Babycoin and oversaw benchmarks and stretch goals to make sure the project gets built out in a timely manner while meeting its proposed requirements
- Observed students to make sure their deadlines were met and reached out to those who fell behind to help create an improvement program with instructors

**Imports Coordinator** | Kintetsu World Express | Rancho Dominguez, CA 2021 - 2022

- Coordinated imports for one of North America's top 50 import company's VIP customers
- Maintained constant communication with several business partners to get shipments from sea to land, and the final destination

## Education

**Hack Reactor** | Software Engineering Certificate 2022

**California State University, Long Beach** | Bachelor of Arts Information Systems 2019