

Andy Pham

Full-Stack Developer

Github | github.com/andyp111

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Website | www.vndyphvm.com

Location | Irvine, CA

APPLICATIONS

Sptfy | React.js, Redux, CSS, Node.js, Express, Git

A full-stack application that allows users to view their top played songs, artists, and plays user's created and followed playlists.

- Integrated Spotify's API with an OAuth bridge in order to authenticate user login and persist user information.
- Incorporated Redux for API calls in order to request user information per page and what the user selected to view.

TrackCar | React.js, React Bootstrap, CSS, Node.js, Express, Firebase, MongoDB

A full-stack application that keeps track of all your car's due and upcoming maintenance by a team of four engineers.

- Utilized CarMD's API to build a restful backend capable of retrieving necessary maintenance depending on the year, model, make and mileage of the user's car.
- Used Firebase's authentication in order to encrypt and store user information.
- Allowed users to filter maintenance and update current car mileage by persisting updated data with necessary calculations on the backend.

System Design | PostgreSQL, Node.js, Express, K6.io, Loader.io NewRelic, AWS EC2, Nginx, Git

A scaled database with over 50,000,000 stored data with a throughput of 1100 rps, 1958ms latency and <1 % error rate.

- Optimized inherited legacy code utilizing PSQL in order to reduce query times for relational data by allocating more memory for join queries.
- Deployed 4 EC2 instances and utilized Nginx least connection caching to increase throughput by 450% and decrease latency by 250%.
- Analyzed throughput, latency, and error rate with NewRelic when testing with K6.io locally and Loader.io when deployed via AWS EC2.

REI Products | React.js, Axios, CSS, Node.js, Express, MongoDB, AWS EC2, Docker, Git

A full-stack application for a product overview page created by a team of three engineers.

- Built a minimum viable product utilizing agile methodologies in order to efficiently create viable services.
- Implemented two image sliders to display related product items and what customers frequently bought utilizing CSS and React.
- Deployed website on an AWS t2.micro Linux server and dockerized 4 separate components to serve one static site.

SELECT EXPERIENCE

Est8Chain.io, Remote - *Freelance Software Engineer*

April 2021 - May 2021

- Architected and developed a restful and horizontally scalable backend using a MERN stack in order to easily scale along with customer usage.
- Constructed Front End components by following the company's UX/UI design via Sketch while utilizing the MVC model.
- Deployed web2 application on AWS EC2 Ubuntu Server 20.04 in order to test functionality of the application within the company.

NinjaCrab Studios, Irvine CA - *Software Engineer Intern*

February 2021 - April 2021

- Implemented new features for a mobile application game using Unity and C#.
- Practiced test driven development to ensure new features operate correctly on a mobile platform.

Boot Barn Holdings Inc, Irvine CA — *Logistics Coordinator*

June 2018 - October 2019

- Coordinated 5,000 international LCL and FCL bookings annually to arrive at written purchase order dates and ensure orders were ready for release.
- Ensured vendor compliance through Conflict Minerals and Prop 65 to comply with SEC regulations and reporting.

LANGUAGES

English

Vietnamese

TECHNOLOGIES

Languages | JavaScript (ES5, ES6) | TypeScript | C#

FrontEnd | React, Gatsby, Redux, jQuery, Axios, HTML5, CSS3

Backend | Node.js, Express, MySQL, MongoDB, Mongoose, PostgreSQL, Restful API Development

Testing | Mocha, Chai, Jest, Loader.io, K6.io

Deployment | AWS EC2, Docker, Gatsby Cloud

Developer Tools | Git, npm, Webpack, Babel, Agile Methodology

OS | macOS, Windows, Linux(shell), Ubuntu(shell)

EDUCATION

University of California, Irvine, Irvine CA - Pursued Business Economics Degree

September 2015 - June 2018

Hack Reactor LA, Los Angeles, CA - SWE Certificate

October 2020 - January 2021