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# Phuc (Fóok) Tran

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## Technologies, Frameworks, and Others

**Front-end:** JavaScript ES6+, React, React-native, jQuery, Chart.js, D3, Axios, HTML, CSS, CSS-Modules, Modular Design Pattern

**Back-end:** Firebase, Google Cloud Services, Node.js, Restful API, Linux, Express, Socket.io, Cassandra, PostgreSQL, MySQL, MongoDB, NGINX load balancer, New Relic, Amazon Web Services EC2 and S3, Docker, Service Oriented Architecture

**Others:** Salesforce Certified Administrator, Adobe Photoshop, Adobe Lightroom Classic, WordPress.org

## Experience

**veamGo, [An online marketplace platform](#) - Founder / Software Engineer**

(May 2020 - current)

- Designed and architected **back-end APIs** using **Firebase** to store and serve product information
- Designed and developed front-end product-catalog application using **React, React Native** to provide end-users a seamless and consistent experience over the web, iOS, and Android interfaces
- Developed and deployed real-time chat application (full-stack) using **React, React Native, Firebase**, and **Google Cloud Tasks**

**Mission Support and Test Services, [A.D.O.E. Contractor Company](#) - Facility Electrical System Engineer**

(Jul 2018 - Sep 2019)

- Investigated and repaired critical electrical system failures to restore the facility's operational status
- Rebuilt documentations for various electrical systems to increase systems' maintainability
- Led periodic safety system assessments to ensure code compliance and increase system reliability

**Nevada Army National Guard, [Nevada National Guard](#) - Squad Leader**

(Jul 2013 - Jul 2018)

- Prepared and led logistic convoy training in groups of 20 soldiers every quarter to maintain the groups' deployment-readiness status
- Deployed to Afghanistan for 9 months to support logistic movements of Operation Enduring Freedom

## Projects

**Soundiverse, [An online music player](#) - Back-end**

- Analyzed web traffic using **New Relic** to identify speed bottleneck to scale application effectively
- Scaled **Cassandra** database cluster and indexed 20 million records to reduce query time to < 10 ms
- Scaled application servers horizontally using **NGINX load balancer** as well as vertical scaling of **AWS EC2** instances to achieve < 70 ms latency while handling 2000 requests per second

**Abode, [A real estate price-estimation application](#) - Front-end**

- Developed home-value estimation application using **MySQL** to hold 10 million records and optimized **API** requests to reduce query times to < 10 ms
- Utilized **Modular Design Pattern** using **React** and **CSS-Modules** to increase the reusability of front-end components
- Designed and implemented the application using Service Oriented Architecture to improve code maintainability and application's scaling capability

## Education

**Hack Reactor - [Advanced Software Engineering Immersive Program](#) (2020)**

**University of Nevada, Las Vegas - [B.S in Mechanical Engineering](#) | [B.S in Physics](#) | [Minor in Mathematics](#) (2018)**