

Will Trinh

San Francisco, CA | (714) 728-0796 | williamltrinh@gmail.com
[linkedin.com/in/williamtrinh](https://www.linkedin.com/in/williamtrinh) | github.com/willtrinh | willtrinh.com

TECHNICAL SKILLS

Back End: MySQL, MongoDB, Node.js, Express, Postman, Java, Python, C++, C

Front End: JavaScript (ES5/ES6), React/Redux, HTML/CSS, jQuery, Styled-Components, Babel, Webpack

Testing/Deployment: AWS, Nginx, Heroku, K6, Loader.io, New Relic, Docker, Redis, Mocha/Chai, Jest/Enzyme

PROFESSIONAL EXPERIENCE

Software Engineer | Infosys | San Francisco, CA

Aug 2019 - Nov 2020

Software Engineer Consultant | Capital Group | Irvine, CA

- Increased performance and minimized human errors by automating the software delivery process with **Jenkins**
- Reduced company's costs and time by containerizing monolithic applications into microservices using **Docker**

Software Engineer Consultant | Charles Schwab | Phoenix, AZ

- Boosted employee productivity and workflow by migrating call records from legacy systems to the **Verint** platform
 - Enhanced operations and reduced financial losses with improved system reliability and connectivity
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SOFTWARE DEVELOPMENT

Backend Software Engineer | *ReviewsAPI: Multi-layer backend infrastructure* | [Github](#)

- Inherited legacy front-end codebase and designed a multi-layered backend infrastructure to replace outdated system and optimized to handle 1200 RPS with 30 million records of product reviews data stored in **MySQL** database, achieving 500% throughput increase
- Increased fault tolerance and system reliability by horizontally scaling three **Node/Express** servers on **AWS** t2.micro instances with **NGINX load balancer**, reducing latency from 3500ms to 65ms, error rate from 25% to 0%
- Decreased stress testing cycle length by identifying system bottlenecks using **K6**, **Loader.io**, and **New Relic**

Full-stack Software Engineer | *Spendi: Voice-controlled budget tracker* | [App](#) | [Github](#)

- Built MVP web application in 2 days that allows users to input their budget with ease using their microphone
- Trained and integrated **Speechly API** into **React** application to translate **speech-to-text**, automatically fill out the budget form, create a new transaction, and update new changes on budget charts with **Chart.js**

Frontend Software Engineer | *Superb: E-commerce web application* | [Github](#)

- Designed and developed interactive Product Overview module using **React** and **Styled-Components**
- Performed component testing with **Jest/Enzyme** and **React testing library** to achieve 70% test coverage
- Implemented **React.lazy** and suggested optimizations to increase **Lighthouse** performance score from 50 to 88 and reduce time to first contentful paint from 2.9s to 0.8s

Full-stack Developer | *YelpCamp: Yelp-like web application for camping enthusiasts* | [App](#) | [Github](#)

- Developed a **RESTful** web application that allows users to browse and share campgrounds
 - Implemented user authentication/authorization, password encryption, fuzzy searching, posts and comments CRUD operations, user profile, pagination, Google Map location, responsive web design, MVC architecture
 - Technologies: **HTML/CSS**, **JavaScript**, **Express.js**, **Google Map API**, **MongoDB**, **Node.js**, **Bootstrap**, **Heroku**
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EDUCATION

Hack Reactor | Advanced Software Engineering Immersive | San Francisco, CA

2021

University of California-Irvine | Bachelor's Degree in Computer Science | Irvine, CA

2019

Relevant coursework: Design & Analysis of Algorithms, Data Structures, Graph Algorithms, Database Management, Concepts in Programming Languages, Operating Systems, Computer Network, Database & Web Applications, Information Retrieval, Machine Learning & Data Mining, Discrete Math, Statistics, Linear Algebra.