Gia **Thuan** Vu

SOFTWARE ENGINEER · FULLSTACK ENGINEER · MACHINE LEARNING ENTHUSIAST

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Summary

Fullstack software engineer with a strong background in computer science and optimization specializing in web technologies and a solid foundation in deep learning. Adept at developing and delivering robust software solutions and an excellent team-player equip with excellent communication skills.

Education

University of California, Riverside   *Riverside, CA*

M.SC IN COMPUTER SCIENCE   *Jan, 2023 - Apr, 2024*

GPA: 3.80

Relevant Coursework: Principle of Distributed Computing   Data Mining Techniques   Machine Learning   Advance Algorithms

Compiler Construction   Computer Security   Parallel Algorithms

University of California, Riverside   *Riverside, CA*

B.SC IN COMPUTER SCIENCE   *Aug, 2020 - May, 2022*

GPA: 3.95

Relevant Coursework: Big Data Management System   Design & Architecture of Computer System   Data Structure & Algorithm

Honors & Scholarship: Magma Cum Laude, UCR Transfer Scholarship

Skills

Programming Languages	C++ C Python Java Javascript Typescript Go Rust
Front-End	HTML CSS Bootstrap Sass ReactJS ExpressJS JQuery TailwindCSS
Back-End	NodeJS Django Flask PrismaJS RemixJS PostgreSQL GraphQL
Data Science	Pandas Hadoop Numpy Pytorch
DevOps	Github Git SSH Puppeteer Pytest Docker Linux Kubernetes AWS
	GCP Terraform

Work Experience

Fullstack Engineer

A2ESHIP   *Oct, 2022 - Present*

A2EShip is an up-and-coming logistics company seeking to integrate their shipping service with Shopify's carrier service API and develop their Shopify online marketplace. I was resposible for developing their online marketplace and integrating their service with Shopify's Carrier Service API.

- Spearheaded the redesign and development of a responsive front-end utilizing Shopify Liquid Templates, Boostrap, resulting in a seamless user experience across mobile and desktop devices; increased mobile conversion rate by *63%*.
- Implemented robust data validation with ZodJS schema validation library.
- Developed A2EShip admin portal using Remix.js, a full-stack React framework, to deliver dynamic and interactive user experiences.
- Developed, constructed and evaluated CI/CD pipelines utilizing Google Cloud Build and Google Cloud Monitor to maintain overall system health.
- Conducted thorough testing, including unit testing and integration testing, to validate the functionality and reliability shipping service API.

Fullstack Engineer

KYHOA GOLF   *Jan, 2022 - Oct, 2022*

Kyhoa Golf is a well-established golf club management company looking to revitalize their online presence and customer management system. I oversaw their website redesign and development, working closely with the media team to understand their needs and elevate pain points.

- Collaborated with Kyhoa Media team to reorganize and optimize Kyhoa website to create a modern web application using Bootstrap resulting in an increase in web traffic by *50%*.
- Utilized Django web framework to optimize Kyhoa website backend resulting in a *300%* decrease in initial landing page load time.
- Employed WagtailCMS framework to streamline content management for Kyhoa Media team with a feature-rich content management system; increased media team productivity and accelerated content delivery by over *200%*.
- Designed and implemented Kyhoa customer management system with an automated email service improving overall customer management and outreach.
- Implemented AWS S3 to store and manage static assets such as images, videos, and documents, reducing server load and improving website performance.

CS100 Course Grader   *Riverside, CA*

UNIVERSITY OF CALIFORNIA, RIVERSIDE   *Oct, 2020 - Jun, 2021*

CS100 is the software construction course at UCR. It focuses on the development and construction of software products, including, design patterns, implementation strategies and technical documentation.

- Graded assignments, quizzes, and exams for CS100 with precision and consistency, ensuring adherence to grading rubrics and academic standards.
- Assisted in the development and refinement of grading rubrics to enhance assessment accuracy and clarity for both graders and students.
- Provided comprehensive feedback to students on code quality, design patterns, and implementation strategies, fostering their understanding of software construction principles.
- Leveraged scrum meetings as a platform for continuous improvement, soliciting feedback from team members and implementing process enhancements to optimize project workflows and outcomes.