Tran Nguyen

Software Engineer

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I am dedicated to infusing software engineering with my passion for crafting whimsical and user-friendly products. My focus is on seamlessly integrating technology and design to create elegantly crafted, user-centric applications. Leveraging both my analytical and creative skills, I aspire to develop solutions that spark joy and elevate user experiences.

SKILLS

Languages - JavaScript, Typescript, CSS3, Sass/SCSS, HTML5, Python, SQL
Database - PostgreSQL, MongoDB, Neon.tech
Libraries and Frameworks - React (class-based and hooks), Express.js, Django, Fastify, React Native
Other Tools - Docker, Mongoose, JSON, EJS, DTL, RESTful Routing, JSON API, Framer Motion

SOFTWARE DEVELOPMENT PROJECTS

ReadIt | [GitHub](#) | [Production](#) - Python, Django, Docker, Neon.tech, Google Text-To-Speech
● Engineered a modern note-taking application that seamlessly integrates serverless Postgres with Neon.tech for scalable and efficient data management.
● Implemented advanced features allowing users to create, edit, and effortlessly convert note content to audio using the Google Text-to-Speech (GTTS) API, leveraging Docker for streamlined containerization and ensuring a seamless and enjoyable user experience.

Personal Portfolio | [GitHub](#) | [Production](#) - TypeScript, React, SCSS, Framer Motion
● Designed and implemented a dynamic personal portfolio website using TypeScript, React, and SCSS, featuring two distinct themes to showcase versatility and creativity.
● Integrated Framer Motion to craft seamless page transitions, captivating animations, and visually engaging effects, creating an immersive and interactive user experience.

Wandr | GitHub [Front End](#) [Back End](#) | [Production](#) - MongoDB, Express, React, NodeJS, JavaScript, JSON Web Token, CSS
● Collaborated on the development of a dynamic travel blog platform utilizing the MERN stack. Acted as the git commander of the group project of 4 people, ensuring seamless collaboration and version control among team members.
● Provided users with a feature-rich travel blog platform, incorporating seamless CRUD operations, social engagement features, secure authentication, and a visually appealing interface, fostering a vibrant and collaborative community of travel enthusiasts.

PlanPal | [GitHub](#) | [Production](#) - MongoDB, Express, NodeJS, JavaScript, Google OAuth, CSS
● Developed a comprehensive planning application using the MERN stack (MongoDB, Express, React, Node.js) to provide users with efficient planning and expense management.
● Implemented a flexible user authentication system and friend request system, enabling users to add and manage members within plans and utilize public, friends-only, and private plan settings.

PROFESSIONAL EXPERIENCE

Clinical Laboratory Scientist I, Natera | San Carlos, CA, USA   **May 2022 - July 2023**
● Achieved proficiency in 4 key workflows and 24 assays of Carrier Screening within 3 months, selected to train for advanced data analysis and results management, demonstrating quick mastery.
● Received a "Most Valuable Member" award within 6 months, showcased strong leadership in decision-making, oversight of lab assistants, adept troubleshooting, and teamwork.

Clinical Laboratory Scientist I, Monogram Biosciences | South San Francisco, CA, USA   **May 2021 - May 2022**
● Completed training for more than 10 assays in HIV and HCV testing within three months, selected to acquire proficiency in new methods undergoing validation, actively contributing to the generation of accurate validation data.
● Demonstrated strong teamwork and collaboration. Appointed to oversee and provide instructions for lab assistants.

EDUCATION

GENERAL ASSEMBLY | REMOTE
Software Engineering Immersive   *August 2023 - November 2023*
Full-stack software engineering immersive fellow in an intensive, 24-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

STATE UNIVERSITY OF NEW YORK AT PLATTSBURGH| PLATTSBURGH, NY
Bachelor of Science in Clinical Laboratory Science, Chemistry minor   *August 2016 - August 2020*
GPA 3.84   Dean's List Honoree from Fall 2016 to Spring 2019