

Anthony Tzeng

Software Engineer | San Francisco, CA (Open to Remote/Relocation) | (949) 375-8385 | aitzeng@gmail.com
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Technical Skills

Front-End | Javascript, TypeScript, React, HTML5, CSS3, jQuery, React Native, Material UI, Tailwind, Next.js

Back-End | Node.js, Express, PostgreSQL, MySQL, MongoDB, Axios, RESTful API, Python

Testing/Deployment | Jest, Mocha, Chai, AWS, Loader.io, Cypress, Vercel, Lambda

Developer Tools | Git, npm, Yarn, Webpack, Babel, Agile Methodology, Linux, Trello, Figma, Jira, Miro

Professional Experience

Digital Aid Seattle | Software Engineer (Volunteer)

Apr. 2024 - Present

- Authored design documentation outlining system architecture, data flow, and user interface specifications to ensure clear communication across development and non-technical teams
- Integrated **Microsoft Azure** for database management and authentication services
- Conducted detailed code reviews and provided constructive feedback, resulting in improved code functionality, efficiency, and long-term maintainability

Clearviction | Software Engineer (Open Source)

Feb. 2024 - Present

- Utilized **Next.js** and **Sanity CMS** to build and maintain a dynamic website, achieving a Lighthouse Speed Index of **0.8 seconds** and a **91 performance rating**
- Resolved content and display bugs using **Material UI**, reducing bug reports by **40%** and leading to a **15%** increase in user retention
- Implemented **Cypress** tests for eligibility calculator, ensuring robust functionality and **70%** test coverage

Five Prime (acq. Amgen) | Sr. Clinical Trial Associate

Aug. 2018 - Jan. 2022

- Led multiple User Acceptance Testing, resulting in the successful deployment of an Interactive Response Technology System supporting over 900 patients
- Organized and executed Investigator Meetings in Asia and Europe leading to the recruitment of 163 clinical sites

Projects

The World | Full-Stack Software Engineer | [Github](#) | *React-Native, Express, Jest, PostgreSQL*

May - June 2023

Mobile vinyl-record trading application

- Linked 3rd party **API's** and implemented lazy loading with **React.js** to dynamically populate the record catalog
- Architected the back-end structure for storing information and used **PostgreSQL** aggregate functions to reduce query time from **340ms** to **24ms**

Styl Forge | Full-Stack Software Engineer | [Github](#) | *React, Express, AWS, Loader.io, PostgreSQL*

May 2023

Modernized eCommerce Clothing Website

- Achieved a Lighthouse **speed index of 3.3s** while scoring **92 in best practices** and **90 in SEO** categories
- Deployed both server and database on **AWS EC2** instances and conducted benchmarking with **loader.io**, maintaining **1,000 RPS**, **0% error rate**, and an average response time of **80ms**
- Performed **ETL** for **2.5 GB** of data into a **PostgreSQL** database, facilitating seeding and seamless integration with the database and server requests

Education

Hack Reactor | Certificate in Advanced Software Engineering

2023

University of California, San Diego | Bachelor of Science in Biochemistry and Cell Biology

2015 - 2018

Personal

- 3rd place at Arizona State University Opportunity Hack 2023