

# Anthony Tzeng

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## TECHNICAL SKILLS

**Front-End** | JavaScript, Typescript, Next.js, React, React Native, Tailwind, JQuery, HTML5, CSS3

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

**Testing/Deployment** | Jest, Mocha, Chai, AWS: EC2, React Testing Library, Artillery, Loader.io

**Developer Tools** | Git, NPM, Vim, Ubuntu, Yarn, Webpack, Babel, Figma, Agile Methodology

## EXPERIENCE

**SafeSpace** | Contract, Remote

Oct 2023 - Present

*Software Engineer*

- Revamped a mobile app in alignment with client requirements, executing a conversion from FlutterFlow to React Native for enhanced performance and improved developer-friendliness
- Implemented frontend-based data persistence with local storage and SQLite, reducing operational costs and eliminating the need for backend services

**Amgen / Five Prime Therapeutics** | South San Francisco, CA

2018 - 2022

*Sr. Clinical Trial Associate*

- Led multiple User Acceptance Testing, resulting in the successful deployment of an Interactive Response Technology System supporting over 900 patients
- Coordinated the organization and execution of Investigator Meetings in Asia and Europe leading to the recruitment of 163 clinical sites globally
- Performed quality assessments of clinical sites, leading to 80% of sites achieving and maintaining excellent data quality standings

## PROJECTS

**The World** | [Github](#) | [Wireframe](#) | React-Native | Express | PostgreSQL | YouTube API

2023

- Built a mobile application according to client requirements alongside an Agile team
- Connected Discogs API to the application and implemented lazy loading to populate the record catalog based on user interaction
- Integrated YouTube functionality within each album, empowering users to effortlessly access and enjoy music videos associated with individual tracks
- Architected the back-end structure for a dynamic chat feature, enabling real-time updates

**Atelier System Design** | [Github](#) | Express | PostgreSQL | AWS | Jest

2023

- 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
- Enabled automated updates to a consolidated table via trigger functions and indexing, reducing response time by 80%

**Styl Forge** | [Github](#) | React | Express | Compression | Jest

2023

- Developed a dynamic Questions & Answers widget tailored to meet client requirements, empowering users to effortlessly create, search, and filter product-specific Q&A's
- Improved code quality by implementing Jest test suites resulting in a 75% overall test coverage
- Deployed on AWS EC2 instance and achieved a Lighthouse speed index of 3.3s while scoring 92 in best practices and 90 in SEO categories

## EDUCATION

**Hack Reactor**

San Francisco, CA | 2023

*Advanced Software Engineering Immersive Program*

**University of California, San Diego**

San Diego, CA | 2015 - 2018

*B.S Biochemistry and Cell Biology*