

Richard Tang

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EMPLOYMENT & EXPERIENCE

Experian

San Diego, CA

Full Stack / Software Developer

July 2021 - Present

- Developed and maintained a wide range of code bases to improve and optimize patient visitations to the hospital and provide reliable and secure transfer of various sensitive data.
- Directly handled client onboarding to our system through configuring customizable database schemas, wiring up any additional services to suit individual client business needs and initializing multi-tenant content management systems.
- Reduced all React application bundle size by 5%-30% by modernizing build bundles and started maintaining our own in house component libraries for additional tree shake as well as providing an unified user experience across all web apps.
- Significantly reduced the amount of false-negative front-end bug stories by setting up unit and end-to-end test cases in ci/cd pipelines, eliminating tedious/unnecessary manual checking of ui applications.
- Migrated legacy monolithic application by gradually decommissioning parts of the obsolete system, reduced the overall complexity and modularized many of our tightly coupled services in preparation of adopting microservice architecture.
- Received team nominated "One Experian Recognition Spot Award" on multiple occasions for upholding core company/team values.

EDUCATION

University of California, San Diego

San Diego, CA

Bachelor of Science in Computer Science, Specialization in Machine Learning

September 2016 - May 2020

Technical Skills

Programming Languages/Frameworks:

- Javascript | Typescript | C# | .NET | Reactjs | Nextjs | Python

Web Technologies:

- REST | gRPC | Playwright/jest | Webpack/Rollup/Vite

Tools/ Hosting Services:

- Docker | Kubernetes | AWS | SQL | NoSQL (MongoDB) | Twilio

Projects

Ritcher Maps - Interactive Open World Game Maps

Nextjs, MongoDB, express, leaflet

- Fully interactable video game world maps created with leaflet that contain areas of interest, guides and markers to track user progress and store information for revisit.
- Features include search, query, show/hide any interactable game object and allows users to add notes/marks with icons that persist in the browser's cache
- Supports all major browsers (Firefox, Chrome, Edge, Safari etc).

MerchY - eCommerce

Nextjs, MongoDB, express, leaflet

- Built highly performant E-commerce web application that could scale well with GraphQL pagination, pre rendering majority of data on build time and RDS providing efficient database support.
- Application comes with secure authentication functionality with JWT and modern OAuth protocol for 3rd party auth
- Supports attribute ordering and filtering through a handful of categories and offers live search functionality to help users' find the right product.

Portfolio

Javascript