

Richard Tang

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EMPLOYMENT & EXPERIENCE

Experian

Software Developer/ Software Engineer II

July 2020 - Present

- Developed and maintained mission-critical codebases written to streamline patient visits.
- Provided secure transfer of sensitive medical data via HIPAA-compliant protocols, enhancing operational efficiency and data security within the healthcare domain.
- Spearheaded client onboarding processes by integrating services tailored to each client's needs, such as real-time appointment scheduling and telemedicine integrations, and establishing robust multi-tenant content management systems ensuring seamless adoption and scalability.
- Optimized React application bundle sizes by 5%-30% by adopting tree-shaking to Webpack build configurations
- Created in-house reusable component libraries leveraging styled-components and React Hooks, employing code-splitting techniques and unifying the user experience across all web applications.
- Implemented comprehensive unit and end-to-end test cases using Playwright within Bamboo CI/CD pipelines, enhancing code quality and accelerating development cycles.
- Decomposed the previous monolithic system into container apps using Docker and Kubernetes orchestration, modularizing tightly coupled services, paving the way for a seamless transition to a cloud-native architecture on AWS.
- Consistently recognized with the prestigious "One Experian Recognition Spot Award" for upholding core company values of integrity, innovation, and customer-centricity, as well as exemplifying team excellence through exceptional collaboration and mentorship.

Technical Skills

Languages: JavaScript/Typescript, Python, C#

Frontend: React, Nextjs, Webpack, Vite, Tailwind css

Backend: .NET Framework, Node.js, Django, RESTful APIs, GraphQL, gRPC, CQRS

Database/Storage: MongoDB, PostgreSQL, SQL Server, Redis

Cloud: AWS (Certified Cloud Practitioner), Docker, Kubernetes

Testing: Jest, Vite, Enzyme, Mocha, Chai, NUnit, xUnit, Playwright

Projects

Ritcher GM - Interactive Video Game Maps

Nextjs, Nestjs, GraphQL, leaflet

- Developed a comprehensive gaming companion web application to enhance the experience for video game enthusiasts.
- Implemented an interactive map with geolocation capabilities allowing users to drop markers on important locations.
- Integrated an advanced search and filtering system to easily locate game resources, quests, and collectibles.
- Designed a progress tracking feature with visual representations of game completion percentages and checklists.
- Ensured a seamless user experience with secure authentication and responsive design across desktop and mobile devices.

MerchY - Distributed eCommerce

.Net, Nextjs, Postgresql, redis, rabbitMQ, gRPC, docker, Azure

- .NET application implementing a scalable and secure e-commerce platform with a microservices architecture.
- Includes services such as ordering, identity, payment, catalog, content management system and administration functionalities.

Portfolio

Nextjs, redis

EDUCATION

University of California, San Diego

San Diego, CA

Bachelor of Science in Computer Science, Specialization in Machine Learning

September 2016 - May 2020