

# Jason Tran – Web Developer

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<https://jasontran-work-portfolio.netlify.app>

Full-stack web developer experienced in building scalable, cloud-native applications with React, Node.js, and Kubernetes on AWS/GCP. Proven record contributing to research prototypes, production-ready applications, and open source software at startups, labs, and internships. Strong in secure system design, agile teamwork, and delivering production-ready features.

## Skills and Accomplishments

- **Full stack:** Over 1 year of experience in full stack development using React.js, Node.js, MySQL, and PostgreSQL with exposure to microservice architecture and modern CI/CD deployment pipelines.
- **Cloud/DevOps:** Hands-on experience in Docker containerization and Kubernetes orchestration, deploying applications to AWS EC2, S3, and Google Compute Engine (GCP) for scalable cloud infrastructure.
- **Frontend:** Experience using HTML, CSS, JavaScript, TypeScript, Angular, and React. Employed responsive design, component-based structure, API integration, and mobile compatibility.
- **Backend:** Experience using Apache, Java, Python, Node.js. Employed server-side web logic such as building RESTful APIs and serverless functions, Redis caching, JWT authentication and OAuth flows.
- **Databases:** Experience in SQL (MySQL, PostgreSQL) and NoSQL (MongoDB, Firebase), including cloud-hosted deployments, Firebase real-time databases, and Redis caching for ~40% faster API calls.
- **Leadership:** Managed agile development across cross-disciplinary teams of 7, driving Git workflows for version control. Coordinated team-wide collaboration, code reviews, problem-solving, and communication.
- Developed improvements to UCI's registration system, creating solutions that modernized user experience.
- Resolved core security issues by contributing to the containerization of a large-scale web application.
- Partnered with backend developers to align crypto APIs, helping launch a social e-commerce platform.
- Key member in translating product concepts into viable UI/UX design, optimizing SEO for platform launch

## Work Experience

Researcher Texera, Irvine

July 2023 - September 2023

Contributed to the public release of a secure AI data analytics web platform within the 10-week timeline by deploying containerized services with Docker and Google Cloud (GCE). Built REST APIs linking Texera's backend to a WordPress CMS frontend, providing modular service access through a user-friendly interface, and expanding adoption by multiple external dashboards and client applications.

Web Design Internship 87G, Los Angeles

July 2024 - September 2024

Collaborated on the launch of a social e-commerce platform with integrated networking and crypto features. Designed UI components and frontend architecture for community hubs using React, Figma, and Wix Studio, boosting user engagement by ~20%. Translated product concepts into accessible interfaces with interactive UX, enhancing inclusivity through WCAG compliance.

## Education

B.S. Computer Science | University of California, Irvine  
Graduated June 2025