

# ZHENYANG TANG

Senior Frontend / Full-Stack Engineer

Fremont, CA | (202) 315-8718 | zhenyang.tang74@gmail.com | linkedin.com/in/zhenyangtang

Senior Frontend / Full-Stack Engineer with 9+ years of experience building production web platforms, data-heavy dashboards, internal tools, and customer-facing workflows. Strong in React, JavaScript/TypeScript, UI architecture, performance optimization, API integration, and translating complex product requirements into scalable, maintainable user experiences.

## EXPERIENCE

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### Theta Labs, Inc.

San Jose, CA

Lead Frontend Engineer / Full-Stack Engineer

May 2018 - Present

- Owned frontend and full-stack development for Theta EdgeCloud customer and admin platforms, supporting AI/video cloud workflows, usage analytics, billing, resource management, and internal operations.
- Built multi-tenant workflows across authentication, organization/project hierarchy, quota plans, billing, and usage analytics, standardizing account and resource management across the platform.
- Designed and shipped platform features for model exploration, hosted and community inference, on-demand model APIs, GPU resources, Jupyter notebooks, persistent storage, and developer-facing API documentation.
- Built AI Agent and internal admin tooling for knowledge base management, LLM configuration, widget tools, privacy controls, model operations, endpoint configuration, and capacity allocation.
- Established reusable React UI patterns for data-heavy dashboards and operational workflows, improving maintainability, performance, and speed of product iteration.
- Standardized usage analytics and charting workflows by aligning frontend data models with backend API contracts, reducing duplicated parsing logic and speeding up new metric development.

### Additional projects

- Led development of a production blockchain explorer and improved list-view performance by reducing common API payloads from multi-MB responses to lightweight summaries.
- Improved P2P streaming offload efficiency by 60%+ through client-side mesh optimization for HLS and MPEG-DASH delivery.
- Built a mainnet governance platform enabling wallet-based proposal creation and voting, with on-chain integrations using ethers.js/web3 and supporting Node.js/MongoDB services.
- Built a lightweight React component library, published on NPM, to support reusable chat and livestream UI experiences.

### Aditazz Inc.

San Francisco, CA

Full-Stack Engineer

Nov 2016 - May 2018

- Built a React/Redux computational design platform with WebGL/Three.js visualization, contributed to Java/Spring/PostgreSQL backend services, and helped establish frontend testing practices.

## CORE SKILLS

**Frontend:** JavaScript, TypeScript, React, Redux, Next.js, HTML/CSS, Tailwind, UI Architecture, Accessibility, Performance

**Backend/Data:** REST APIs, Node.js, Express, MongoDB, PostgreSQL, Python, Chart.js, Data Visualization

**Testing/Platform:** Jest, React Testing Library, Webpack, Vite, Rollup, Git, NPM, Docker, Kubernetes, AWS, GCP

**AI/Web3:** AI Platform UIs, LLM Workflows, API Playgrounds, ethers.js, web3.js, Solidity

## EDUCATION

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George Washington University - M.S. Computer Science

2014 - 2016

Beijing University of Technology - B.S. Computer Science

2010 - 2014