

Michael Zheng

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Work Authorization: U.S. Permanent Resident (Green Card)

<https://soymikey.github.io/developerFolio> | <https://www.youtube.com/@ByteGen>

Skills

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3

Frontend Ecosystem: React, Next.js, Redux, TanStack Query, Immer, Electron

Backend & API: Node.js, Nest.js, PostgreSQL, Prisma ORM

DevOps & Performance: Docker, GitHub Actions, Jest

Experience

Software Engineer, Boostcamp – New York, NY (Remote)

Feb 2023 – Dec 2025

- Spearheaded a performance overhaul using **Next.js (App Router)** and advanced rendering strategies (ISR/SSR), improving **Core Web Vitals** by 80% and boosting Lighthouse scores from 50 to 95.
- Architected a complex **Workout Creator and Management system**, leveraging **Immer** to manage deeply nested immutable states, ensuring bug-free data manipulation and high-performance UI updates
- Scaled user subscription and authentication modules to support **500,000+ users**, architecting **Stripe Webhook** event handlers on the backend to ensure robust payment synchronization and subscription lifecycle management

Software Engineer, Compass – New York, NY (Remote)

Dec 2021 – Jan 2023

- Scaled the core property listing infrastructure to support **18% of the US residential real estate sales volume**, ensuring high availability and seamless UX for the nation's top-performing agent teams
- Engineered a bi-directional Data Layer and BFF service via the Adapter Pattern to normalize 500+ disparate MLS data sources, decoupling UI components from backend schema shifts and reducing feature time-to-market by 50%
- Optimized search data,

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