

# 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

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**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

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**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**