Mason Wong, Full Stack Engineer

2× Awwwards Honorable Mentions | 1× Daily Design Report Portfolio of the Day | UGA BBA MIS

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Professional Summary

Full Stack Engineer with 6+ years leading development of scalable enterprise platforms and internal tooling. Experienced in architecting RESTful API services and data-heavy applications with a focus on performant, polished user interfaces across React/TypeScript and .NET/Node.js ecosystems.

Technical Skills

Frontend: Typescript, React, Tanstack Query, MUI, Next.js, Angular, HTML, SCSS, GLSL, Three.js
Backend/Databases: C# (.NET), Node.js, Prisma, Elasticsearch, Redis, PostgreSQL, MongoDB
Cloud/DevOps: Docker, Terraform, Okta (Auth0), Github Actions, Helm, Jenkins, Datadog, RabbitMQ, AWS (S3, Lambda, Cloudfront, EKS), GCP (Pub/Sub, Firestore, GKE)

Peloton Interactive | *Senior Software Engineer • NYC (Remote) • Jun 2025 - Present*

Programming Tool Project

- Architected a real-time collaboration engine using SignalR and MongoDB Change Streams, enabling multiple users to edit instructor schedules concurrently with optimistic UI updates. Implemented row-level locking and client-side deduplication to resolve race conditions between API responses and socket events.

- Engineered event-driven synchronization using Kafka to bridge "pre-production" programming tool schedules with downstream "post-production" scheduling systems owned by another team.

Music API (MAPI)

- Maintained the MAPI service ecosystem (Crescendo, Music Admin, Music Backend), utilizing RabbitMQ to process high-volume events for instructor workflows and royalty reporting (ingesting data from Spotify/Apple).

NCR Voyix | *Software Engineer II • Atlanta (Hybrid) • Oct 2023 - Jun 2025*

- Key contributor in Identity Access Management application under the Business Services Layer (BSL), enabling enterprise clients (e.g., Food Lion, Wendy's) to configure RBAC for thousands of edge devices.

- Led the development of a centralized internal NPM package, providing versioned API proxies and reusable UI components to standardize the developer experience across BSL's multi-tenant application ecosystem.

- Key contributor to BSL 'Home' discovery portal, streamlining app discovery and workflow navigation for platform users.

Agency | *Co-Founder of BCL / Lead Engineer at Combo © • Remote • Nov 2018 - Oct 2023*

Led full-stack development delivering high-performance ecommerce, marketing sites, and custom CRMs using Angular, Next.js, Node.js, and headless CMS solutions. Managed complete software lifecycle for content-heavy client applications.

Home Depot | *Frontend Software Engineer • Atlanta • May 2018 - Nov 2018*

Contributed to HR Mobile application using Ionic and Angular, streamlining scheduling and payroll workflows for thousands of retail associates.