

Vuhai "Michael" Nguyen

hello@techno-mike.com Los Angeles, CA [linkedin.com/in/vuhai-nguyen](https://www.linkedin.com/in/vuhai-nguyen) gitlab.com/techno-mike techno-mike.com

Senior Front End Engineer with 15+ years building and shipping consumer-facing applications at scale. From award-winning streaming platforms serving 130M+ subscribers (Warner Bros. Discovery) to modern headless commerce ecosystems built on Medusa.js, Next.js, and TypeScript. Expert in React, cross-platform development, and accessible, performant UI across web, mobile, and TV.

SKILLS

Languages: TypeScript, JavaScript, Kotlin, HTML/CSS

Frameworks & Libraries: React, Next.js, React Native, Remix, Angular 2, Node.js, Tailwind CSS

Commerce & Backend: Medusa.js, PostgreSQL, Stripe Connect, REST APIs, GraphQL

Design & Infrastructure: Docker, GitLab CI, Responsive Design, Accessibility (a11y), Git

EXPERIENCE

Senior Software Engineer **Curated Off-Market**

Los Angeles, CA
2025 – Present

- Architected and built a multi-vendor vehicle marketplace on Medusa.js v2 (#1 open-source commerce platform on GitHub), enabling private offer-based transactions between independent sellers and buyers.
- Developed custom Medusa modules for VIN decoding (NHTSA API), vehicle make/model/year management, multi-vendor marketplace orchestration (MercurJS), and split-order payments via Stripe Connect.
- Engineered full admin panel, vendor panel, and buyer storefront with server-side rendering (Next.js 16), dynamic theme system, i18n support, and responsive UI.
- Built end-to-end seller onboarding and vehicle submission flows: 7-step wizard with VIN auto-decode, searchable make/model/year typeahead, Stripe Connect OAuth, photo upload resilience, and 3-tier data architecture (typed columns + attribute/status detail link tables).
- Implemented Stripe Connect OAuth integration with callback handling, optional onboarding path, and split-order payment infrastructure.
- Integrated Algolia search, TalkJS real-time messaging, and Resend transactional email.
- Established CI/CD pipeline (GitLab CI), Dockerized microservices (Traefik reverse proxy), and comprehensive wiki documentation with knowledge graph.
- Established integration test patterns for vehicle submission workflows, improving backend reliability.
- Delivered 200+ commits spanning backend modules, admin UI, vendor dashboard, and storefront.

Software Engineer II **Warner Bros. Discovery**

Culver City, CA
Sep 2019 – Oct 2023

- Developed core account and identity features on the award-winning Max (formerly HBO Max) streaming platform, serving 130M+ global subscribers across 48 languages and 10+ device platforms.
- Implemented critical Purchase & Identity flows: account creation, subscription management, online payments, MVPD authentication, and OTP-based 2FA for US, LATAM, and EMEA markets.
- Authored 150+ PRs across TypeScript (codex), Kotlin (beam-kotlin), and cross-platform (hadron) codebases with complex features spanning 30–48 files per change.
- Maintained 80%+ test coverage on all feature work, reducing production regressions in auth and payment flows.

- Championed accessibility (a11y) improvements across profiles, sign-in, navigation, and settings, directly impacting millions of screen reader users.
- Groomed features, conducted code reviews, triaged production bugs, and mentored junior developers.

Senior Software Engineer **AT&T**

El Segundo, CA
Jul 2016 – Sep 2019

- Built the DirecTV Now (later AT&T TV) streaming experience on Samsung Tizen OS smart TVs, one of the first major OTT live TV streaming platforms, reaching 1.8M subscribers.
- Implemented core TV features: interactive program guide, media carousels, navigation, video player SDK, user profiles, and authentication.
- Integrated advertising SDKs (Freewheel, Yospace) via Xandr's ad platform for dynamic ad insertion across web and TV.
- Collaborated with Samsung engineers on Tizen SDK and ensured WCAG accessibility compliance for Tizen Store submission.

Senior Frontend Developer **The Wharton School, University of Pennsylvania**

Philadelphia, PA
Mar 2015 – Dec 2016

- Led frontend architecture for the redesign of Wharton Research Data Services (WRDS), serving 75,000+ researchers at 500+ institutions across 35+ countries.

Frontend Web Developer **160over90**

Philadelphia, PA
Jan 2014 – Feb 2015

- Built websites and interactive experiences for Fortune 500 clients (Amazon, Visa, Marriott) and major university athletic programs (Florida Gators, UCLA, Arizona).

Frontend Web Developer **Thomson Reuters**

Philadelphia, PA
Aug 2013 – Oct 2013

- Collaborated, developed, and implemented a redesign of informative educational web pages.

Web Developer **GlobalFit**

Philadelphia, PA
Apr 2012 – Aug 2013

- Built an internal client management system with search, user restrictions, and system migration: jQuery, PHP, MVC, SQL.

PROJECTS

Curated Off-Market - Multi-vendor vehicle marketplace - private offer-based transactions, VIN decoding (NHTSA API), Stripe Connect payment splitting, real-time chat, full admin/vendor/buyer dashboards. CI/CD, wiki documentation, knowledge graph.

luuluu.coffee - Specialty coffee e-commerce platform - Medusa.js v2 headless commerce with Remix storefront, dynamic theme system, responsive catalog, automated CI/CD via GitLab CI and Dokploy.

EDUCATION

Drexel University - Bachelor of Science, Business Administration, Management Information Systems (Sep 2007)