

Michael Innella

Full-Stack Software Engineer | Front-End Developer

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Profile Summary

- **Full-Stack Software Developer** with hands-on experience delivering scalable web applications, interactive interfaces, and real-time data-driven platforms such as **AI-powered skin analysis** systems and **media streaming** tools.
- **Front-End expert** with a well-rounded technical skill set, with proficiency in **front-end** frameworks (**React**, **Next.js**), **styling** systems (**TailwindCSS**, **Material UI**), state and **data management** (**React Query**, **React Hook Form**, **Prisma**), backend and API technologies (**Node.js/Express.js**, **Firebase**, **SQL**), and **testing** tools (**Jest**, **React Testing Library**).
- Deep expertise in building responsive UIs, optimizing API integrations, and crafting **reusable component libraries**, leveraging modern practices such as **modular architecture**, **server components**, and **performance-first** development.
- Engaged **collaborator** working closely with **cross-functional teams** in **Agile** settings, contributing to sprint **planning**, **code reviews**, and **pair programming** with experience **leading workshops** on UI Development.

Technical Skills

Languages: TypeScript, JavaScript, HTML, CSS, SQL

Frameworks & Libraries: React, Next.js, Node/Express.js, Firebase, React Query, React Hook Form

Component Libraries: ShadCN/UI, TailwindCSS, Material UI

Testing: Jest, React Testing Library

APIs: OpenAI LLM API, OpenAI Vision API, Stripe API

Animation Libraries: GSAP, Lottie

Database: Firebase, MongoDB

Tools & Platforms: Git, GitHub, Vercel, Linear, Jira, Figma, Prisma, Facebook + Google + TikTok Server-Side Pixel tracking

Education

FES Institute

Computer Science | GPA: 3.96/4.00

San Francisco, CA

Sep. 2024 - May 2025

Work Experience

Eduvato

Technical Co-Founder

Remote

Aug. 2025 - Present

- Founded an **Ed-Tech start-up** and assumed **executive** and **technical leadership**, developing and executing strategy, establishing goals and deliverables, and taking ownership and responsibility of delivery.
- Architected and scaled the core **Ed-Tech** platform using **Next.js**, **TailwindCSS**, **Prisma ORM**, **PostgreSQL**, and **Zustand**, leading end-to-end product development from marketing funnel with micro-interactions to core product features.
- Implemented functionality to improve marketing funnel efficiency by applying data tracking and **A/B testing** via **Mixpanel**, **Amplitude**, **Optimizely**, and **LaunchDarkly**, aligned with **Bayesian Optimization** and **Sequential Testing**, reducing user journey drop-off rate.
- Integrated **Stripe** payment processing into the platform by configuring **APIs**, securing payment data, and optimizing the checkout flow to reduce friction and enhance user satisfaction.
- Drove online customer acquisition by running targeted campaigns on **Google Ads** and **Facebook Ads**, applying keyword optimization, retargeting, and lookalike audiences to increase sign-ups and scale recurring revenue to **\$2,000 MRR** with a daily ad spend of **\$200**.

Skinstric AI

Remote

Frontend Engineer

Nov. 2024 - Apr. 2025

- Delivered a real-time skin analysis platform using **OpenAI Vision API** and **Next.js 14**, incorporating animation-enhanced **UI** to improve performance, detection accuracy, and user retention, achieving **98%** accuracy across skin conditions.
- Collaborated within a cross-functional team including the CEO (vision), CTO (technical decisions), and UI/UX Designer (**Figma**), employing **Agile** practices such as daily stand-ups and weekly sprints to deliver solutions under tight deadlines.
- Crafted aesthetically pleasing **UI** components using **React**, incorporating **SOLID**, **DRY** principles, virtual **DOM** diffing, memoization, and lazy loading to design dynamic skincare recommendation cards, increasing user engagement by **60%**.
- Developed a scalable modular component library with **TailwindCSS**, employing **Progressive Enhancement** and **Atomic Design** principles to optimize skincare product listing interfaces, thereby expediting **A/B testing** and iterative design.
- Integrated **Next.js Server Components** with **Lottie** animations to achieve real-time skin condition analysis in under **2** seconds using **Vercel Edge Functions**, **AWS Lambda@Edge**, the **Next.js Image component**, and **Cloudinary**, ultimately reducing page load speed to **60ms**.
- Designed scalable state solutions using **Redux Toolkit**, **Zustand**, and **React Context API** to manage asynchronous data flows, consequently reducing rerenders and cutting user experience latency by **300ms**.
- Optimized **UI** components for full accessibility compliance by implementing **WCAG 2.1**, **ARIA** roles and using **Axe-core**, **Lighthouse** to achieve an accessibility score of **98%** across all primary interaction flows.

Frontend Simplified

Remote

Frontend Developer & Support staff

Feb. 2024 - Oct. 2024

- Created educational resources on **React** component architecture and **TypeScript** that enabled **70%** of mentees to build type-safe applications using **Zod** and **runtypes**, organize code efficiently with **Vite** and **Parcel**, and use **Redux** and **Recoil**.
- Built and deployed a scalable component library using **ShadCN/UI**, integrating **Tailwind CSS**, **Emotion**, **pnpm**, and **Turbopack** to reduce development time by **40%**.
- Led collaborative study sessions focused on deployment workflows and **CI/CD** best practices, allowing **85%** of attendees to configure automated pipelines using **GitHub Actions** and **CircleCI** with **AWS** and **Google Cloud Platform**, applying **GitOps** and **Canary Releases** for reduced second execution time.
- Delivered and facilitated workshops on modern frontend optimization, incorporating **Lighthouse**, **WebPageTest**, **Code Splitting**, and **Tree Shaking** to enable students to decrease portfolio project load times by an average of **50%**.
- Planned and led weekly pair programming sessions focused on accessibility and **SEO**, emphasizing **Semantic HTML**, **Structured Data**, **ARIA Roles**, and Keyboard Navigation, resulting in **90%** of students delivering **WCAG**-compliant projects.
- Selected as a peer mentor for ranking in the top **5%** of the team, delivered **code reviews** and debugging guidance for **20+** students developing **React** and **Next.js** projects while leveraging **Code Review Checklists** and **Test-Driven Development**.

NFTverse

Remote

Frontend Developer (Intern)

Jan. 2023 - Jan. 2024

- Contributed to the development of an NFT marketplace platform by building responsive UI components with **React**, **Next.js**, and **TailwindCSS**, improving mobile usability and accessibility.
- Implemented dynamic lists, search, and filtering features to allow users to browse large collections efficiently, **reducing page interaction latency by 30%**.
- Collaborated with designers and senior engineers in **Agile sprints**, participating in code reviews and stand-ups to deliver features under tight deadlines.
- Strengthened code reliability by writing unit tests with **Jest** and **React Testing Library**, ensuring consistent UI behavior across user flows.