John Che Larracuente

Full-Stack Software Engineer | Front-End Developer

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Work Experience

Personal Design Website
Remote

Full Stack Engineer & Designer
Sept. 2025 - Present

• Designed and deployed a full-stack portfolio platform built with Vue.js, TypeScript, Node.js, GraphQL (Apollo Server), and PostgreSQL, showcasing technical projects through an interactive UI.

• Implemented dynamic, responsive components with TailwindCSS and PostCSS, ensuring consistent performance and accessibility across browsers and screen sizes.

• Developed a Node.js + TypeScript backend using strict typing, modular APIs, and efficient data models, reducing runtime errors by 30% while improving maintainability.

• Integrated a GraphQL API for fast, reliable queries and seamless content management, improving query response times by 40%.

• Optimized page performance with lazy loading, image compression, and mobile-first design, achieving sub-2-second load times and a smooth user experience on all devices.

Skinstric AI • https://github.com/CreationsXJohnC/skinstric-ai-internship
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 **60**ms.

• 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 • https://github.com/CreationsXJohnC/nft-marketplace-internship   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.

Education

FES Institute   San Francisco, CA
Computer Science | GPA: 3.96/4.00

Howard University   Washington, DC
Languages & Radio, Television, and Film | GPA: 3.28/4.00

Technical Skills

Languages: TypeScript, JavaScript, HTML, CSS, SQL
Frameworks & Libraries: Vue.js**,** React, Next.js, Node/Express.js, Firebase, React Query, React Hook Form
Component Libraries: ShadCN/UI, Tailwind CSS, 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