Norman Leung

Senior Front-End Engineer

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PROFILE

React and Vue.js focused Front-End Engineer with over 9 years of experience in building web applications using a variety of web technologies. Strong background in **React.js, Vue.js, Next.js, Nuxt.js, JavaScript, Typescript, HTML5, CSS3,** and modern UI frameworks, such as **Material UI, Tailwind CSS**, etc. Passionate about creating highly scalable and visually attractive applications, understanding client requirements, and delivering projects to achieve 100% customer satisfaction.

SKILLS

Languages: JavaScript, TypeScript, Python

Frontend: React, Next.js, Vue.js, Nuxt.js, Redux, React Query, React Native, Styled-Components, Chart.js, D3.js, SCSS, Storybook

CSS Frameworks: Bootstrap, Tailwind CSS, Material UI, Ant Design, Chakra UI

Backend Frameworks: Node.js, Express.js, Go, Django, Java

Test Frameworks: Jest, ESLint, Mocha, Enzyme

Backend as a Service: Firebase, Vercel, Heroku, Netlify

APIs: REST APIs, GraphQL, FastAPI

Database: PostgreSQL, MongoDB, DynamoDB, MySQL, TypeORM

Cloud: AWS (Cognito, Amplify, Lambda, EC2, S3, Athena), GCP

DevOps: Jenkins, Docker, Kubernetes, Terraform

E2E test tools: Selenium, Cypress, Playwright

Version control: Git

Repository management: GitHub, Gitlab, Bitbucket

EXPERIENCE

Senior Front-End Engineer

Sotaog, Huston, Texas, Remote   09/2022 to Present

Sotaog is a SaaS platform that utilizes machine learning to enable COOs to predict financial outcomes and optimize business operations. The platform is designed to integrate with a company's existing data sources, including ERP systems, finance software, and other business databases.

- Designed and implemented a **responsive and user-friendly dashboard** that enables COOs to visualize key performance indicators (KPIs) and financial metrics in real-time.
- Integrated various data sources into the dashboard using **GraphQL, and serverless functions**, ensuring high performance and reliability.
- Developed an interactive map feature using **React.js, Next.js, Material UI, and Google Maps API** to display locations of Facilities, Wells, and Plants in the oil and fuel industry with user-friendly UI.
- Implemented **user authentication and access control features** to ensure that users only had access to the data and reports that they were authorized to view through Python-JWT and OAuth2.
- Improved the loading speed of the dashboard by **optimizing the codebase, leveraging caching techniques, and using lazy loading** for non-critical components.
- Ensured the security of the platform by conducting regular code reviews, implementing best practices for authentication and authorization, and performing penetration testing.

- Created a comprehensive suite of **unit tests and end-to-end tests** using Jest, Enzyme, and Cypress, covering all critical features and scenarios.
- **Collaborated with UX designers, product managers, and backend engineers** to refine requirements, gather feedback, and iterate on the UI/UX design.
- **Mentored 2 frontend engineers** by providing guidance on coding standards, architectural patterns, and debugging techniques.
- Developed integrated testing suits, monitoring and logging tools via technologies, including Docker, Kubernetes, and AWS CloudWatch ensuring reliability, performance, and minimal downtime.

Main Stack: React.js, Next.js, React Query, Typescript, Chart.js, Material UI, GraphQL, Node.js, Python, DynamoDB, AWS Lambda, Jenkins, Jest, Enzyme, Docker, Kubernetes, Terraform, Cypress, Playwright, Scrum

Lead Front-End Engineer

Scrimmage, Minneapolis, Minnesota, Remote   10/2020 to 08/2022

Scrimmage is a platform designed to enhance the sports betting experience by providing gamified loyalty programs for betting operators. It connects directly with sportsbooks to create customized loyalty solutions that motivate users to engage more frequently and effectively with their betting activities.

- Designed and maintained a **modular, scalable front-end architecture** using React, Redux, and Web3.js that allowed for easy integration with Ethereum smart contracts, resulting in a seamless user experience for Scrimmage's decentralized betting platform.
- **Led a team of 4 engineers** in the development of new features on the Scrimmage platform.
- Designed and built a chatbot using React.js, Socket.IO, and Node.js that integrates with the platform's customer support system, supports NLP (Natural Language Processing), and uses Amazon Lex.
- Implemented **responsive web design using Tailwind CSS** and Improved SEO and performance with server-side rendering using Next.js and React Router.
- Developed and deployed a mobile application using React Native, Xcode, Expo, enabling users to access and engage with the Scrimmage platform on their Android and iOS devices.
- Enhanced **real-time updates with WebSocket and WebRTC**, resulting in a 30% improvement in up-to-date betting data for users.
- Improved real-time notifications on the status of sportsbook accounts using Socket.IO
- Implemented **two-factor authentication** including SMS and OTP (One-Time Password) to add an extra layer of security, resulting in making it harder for hackers to gain access to users' accounts.
- **Optimized the performance of the platform** using techniques such as lazy loading, image compression, caching strategies, leading to reduce the page load time as less than 2 seconds and server response time as less than 1 second.
- **Mentored 2 frontend developers** and helped them overcome obstacles, develop their skills, and contribute to the success of the team and organization as a whole.

Main Stack: React.js, Next.js, React Router, React Native, Node.js, Nest.js, Typescript, Ethereum2.0, Web3.js, Tailwind CSS, PostgreSQL, WebSocket, Socket.IO, Stripe API, Storybook, Jest, Mocha, AWS Amplify, Cypress, Scrum

Front-End Developer

GetYourGuide, New York, NY   08/2018 to 10/2020

GetYourGuide is a travel booking platform that specializes in providing unforgettable travel experiences, allowing users to discover and book a wide range of activities and attractions.

- **Designed and implemented new features** that simplify the booking process and enhance the overall visual appeal of the website using Vue.js, Stripe, Bootstrap, and Firebase.
- Optimized the performance of the website by implementing best practices such **as improving page load times, reducing server requests, and minimizing code bloat**. This resulted in improved SEO efforts and increased organic traffic to the site.
- Built a **real-time data visualization dashboard** utilizing Tailwind CSS and D3.js to provide insights on website traffic, conversion rates, and revenue generated.

- **Collaborated with cross-functional teams**, including designers, product managers, and backend engineers, to deliver quality result on time and within budget, resulting in successful project launches.
- Proficient in using Styled-components, CSS3, and HTML5 to design **visually appealing and user-friendly UI components,** enhancing the overall user experience.
- Strong skills in Typescript, ensuring the development of scalable and maintainable codebases, allowing for efficient testing and debugging.
- Extensive experience in **version control using Git** and **project management using Jira**, ensuring efficient collaboration and teamwork across the development cycle.
- Knowledge **in designing and prototyping UI/UX designs using Figma**, ensuring designs meet client expectations and are visually appealing and easy to use.
- Implemented monitoring and debugging tools such as Prometheus, ensuring optimal application performance and providing quick insights into any issues that arise.

Main Stack: Vue.js, Typescript, Webpack, Stripe, Tailwind CSS, HTM5, CS3, Anime.js, D3.js, Firebase, Google Analytics

Web-Developer

Airbnb, New York, NY   05/2016 to 08/2018

Airbnb is an online marketplace that connects people who want to rent out their homes or experiences with people looking for accommodations or activities in specific locales, allowing hosts to earn income and guests to enjoy unique stays and experiences.

- Built and maintained the **user-friendly customer service interface and dashboard** using React.js, Redux, and Ant Design.
- Collaborated with UX designers to implement **pixel-perfect designs with HTML and CSS**, enhancing the visual quality of key landing pages while ensuring cross-browser compatibility.
- Developed reusable React components and implemented them across multiple projects, resulting in a significant reduction in development time and effort.
- **Collaborated with designers and product managers** to transform wireframes and mockups into functional, high-performance web applications using HTML, CSS, and JavaScript.
- Utilized Ember.js and jQuery to enhance user interactions and improve the overall user experience of web applications.
- **Implemented performance optimization strategies** such as code splitting and lazy loading, contributing to a significant reduction in initial page load times.
- Utilized Figma to collaborate with designers and stakeholders, enabling a streamlined design and development process.
- Enhanced website accessibility by implementing **ARIA attributes and semantic HTML,** improving accessibility scores and ensuring compliance with WCAG standards.

Main Stack: React, Redux, Bootstrap, HTML, CSS, JavaScript, Webpack, Ember.js, jQuery, Chart.js, REST APIs, MongoDB, Git, Jira, Figma, Firebase

EDUCATION

Bachelor of Science, Computer Science
Brooklyn College (09/2012 – 03/2016)