

Duke Nguyen

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TECHNICAL SKILLS

Languages: JavaScript, Node.js, Python, Ruby, HTML5, CSS3

Front-end: TypeScript, React, Svelte, Sass, TailwindCSS, Material UI, Next.js, Gatsby, Redux, TanStack Query, jQuery, Jest, Puppeteer, Cypress, React Testing Library, Storybook, Framer Motion, GSAP, D3.js, Ag Grid

Back-end: Ruby on Rails, Express, MongoDB, SQL (PostgreSQL), Apollo, Mongoose, Prisma

Dev/Build Tools: Git (GitHub), Webpack, Babel, Parcel, Turborepo, ESLint, Prettier

Platforms: GitHub Actions, Heroku, Netlify, Vercel, AWS - S3, Lambda, CloudFormation

Design/Prototyping: Figma, Adobe – Illustrator, Photoshop, XD

EXPERIENCE

Co-Founder & Front-End Engineer

May. 2023 – Jan. 2024

Diablo 4 Auctions

Remote

- Spearheaded the entire UI design and front-end development for an unofficial Diablo 4 auction house web app, features include authentication via Blizzard's OAuth, item creation, live bidding, and a search feature
- Architected an item creation system that implements optical word recognition (OCR) to scan user images, allowing for auto-inputting item descriptions, and empowering users to refine these results for efficient item creation
- Engineered an AWS-based image compression pipeline on successfully filtered images (via OCR) that users have uploaded, results reduced S3 storage capacity required by 75%

Front-End Engineer

Oct. 2021 – Feb. 2023

DELV (formerly Element Finance)

Remote

- Developed and deployed multiple decentralized finance web apps in addition to maintaining the security and stability of the core web app used by 50,000+ unique users globally
- Coordinated directly with product and design teams to transform Figma wireframes and user flows into fully responsive and accessible (a11y) web pages with Google Lighthouse scores above 95 in all criteria
- Implemented unit and integration tests via Jest for the core web app, and integrated Storybook into the CI/CD pipeline. This initiative led to a twofold increase in testing coverage in addition to automating the snapshot testing process

Intern Software Engineer — Front-End Engineer

Oct. 2018 – Nov. 2020

NovaBay Pharmaceuticals

Emeryville, CA

- Managed an in-house customer relationship management (CRM) web app used by 50+ representations by implementing new dashboards via the Tableau API along with bug fixes
- Collaboratively developed data visualization tools using the D3.js library within the CRM to retrieve, process, and graphically display sales data
- Lead development on a new framework based on weighted averages of Rx sales/insurance data to account for potentially untapped sales territories, efforts lead to an average of a 16% growth in sales volume within a single quarter

PROJECTS

notAirbnb | *Node, Express, Apollo, Prisma, PostgreSQL, React, Redux, Sass*

Jun. 2021 – Oct. 2021

- Built a fully responsive, mobile-first web app replicating Airbnb's website, complete with all of the animations done custom via CSS keyframes
- Applied a GraphQL API with endpoints to a custom-built authentication and authorization system allowing users to sign up and log in, a robust search feature that allows filtering listings on a variety of fields, and as well as the ability to reserve listings
- Utilized completely anonymized listings data web-scraped from Airbnb via Puppeteer, in addition to randomly generated addresses and the Google Maps API in order to create a realistic experience

EDUCATION

University of California, Berkeley

Aug. 2015 - May 2017

Bachelor of Arts in Economics, Minor in Computer Science

Berkeley, CA

App Academy

Oct. 2020 - Feb. 2021

Fullstack Bootcamp

San Francisco, CA