

# Duke Nguyen

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## SKILLS

**Languages** JavaScript (TypeScript), Node.js, Python, Ruby, HTML, CSS (SCSS/SASS)

**Front-end Technologies** React, Svelte, Tailwind, Next.js, Gatsby, Redux, jQuery, Jest, Puppeteer, Cypress, react-testing-library, Storybook, framer-motion, GSAP, D3.js

**Back-end Technologies** Ruby on Rails, Express, MongoDB, SQL (PostgreSQL), GraphQL, Mongoose, Prisma

**Dev/Build Tools** Git (GitHub), Webpack, Babel, Parcel, Turborepo

**Platforms** GitHub Actions, Heroku, Netlify, Vercel

**Design & Prototyping** Figma, Adobe – Illustrator, Photoshop, and XD

## EXPERIENCE

**Front-End Engineer** @ DELV (formerly Element Finance), Oct 2021 - Oct 2022

Developed and deployed various new web apps in addition to maintaining the security and stability of the core web app used by 50,000+ unique users across 20+ different countries

- Utilized comprehensive knowledge of Next.js, React, TypeScript, and TailwindCSS to make informed decisions and implement solutions to assigned tasks with minimal guidance
- Collaborated closely with the design team to transform Figma wireframes into fully responsive and accessible (via a11y standards) web pages with Google Lighthouse scores above 95 in all criteria
- Revamped the front-end repository architecture to a monorepo configuration in order to reduce code redundancy, results also lead to a 60% improvement in build and deployment speed by optimizing the development workflow
- Doubled the amount of testing coverage through additional unit and integration tests within the core web app

## PROJECTS

**notAirbnb** @ <https://not-airbnb.netlify.app> | <https://github.com/hnguyen1179/notAirbnb>

A creatively named fullstack project that replicates Airbnb's web app

- Built a fully responsive, mobile-first design, and pixel-perfect web app identical to Airbnb's web app (at the time), complete with all of the animations done custom via CSS keyframes
- Features a GraphQL API, which includes endpoints to features like: custom-built auth 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 those listings
- Includes advanced React patterns such as the *useContext* and *useReducer* hook combination to reduce app complexity, as well as the prudent usage of *useCallback* and *useMemo* hooks in order to optimize rerenders

**LinkedIn Web Scraper** @ <https://github.com/hnguyen1179/linkedin-web-scraper>

Program that automatically scrapes LinkedIn job listings and select roles that match user-defined filters

- Built with Node.js using only the Puppeteer library all under 300 lines of code, including documentation
- Accelerated my job search by allowing me to apply to over 200 compatible job listings within a week with a callback rate of around 20%

## EDUCATION

**App Academy** 1000-hour fullstack bootcamp (2020)

**University of California, Berkeley** BA in Economics (2017)