Duke Nguyen

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TECHNICAL SKILLS

Languages: JavaScript, Node.js, Java, Python, Ruby, HTML5, CSS3
Front-end: TypeScript, React, Svelte, Sass, Less, 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, PostgreSQL, Apollo, Mongoose, Prisma
Dev/Build Tools: Git (GitHub), Webpack, Babel, Parcel, Turborepo, Docker, 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 auth via OAuth, auction creation, live bidding, and a search feature
- Architected an auction listing system that implements optical word recognition (OCR) to scan user images, allowing for auto-inputting of item descriptions, and empowering users to refine these results for greater efficiency
- 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*
- Designed, implemented, and iterated upon numerous DeFi web apps in a dynamic, fast-paced environment, while ensuring the security and stability of the primary web app used by 50,000+ users worldwide
- 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 95+ in all criteria
- Implemented unit and integration tests via Jest and integrated Storybook into the CI/CD pipeline. This initiative led to a 2x increase in testing coverage as well as the automation of the snapshot testing process

Software Engineer Intern — Front-End Engineer   Oct. 2018 – Nov. 2020
NovaBay Pharmaceuticals   *Emeryville, CA*
- Managed an in-house customer relationship management (CRM) web app used by 50+ representatives in addition to implementing new dashboards via the Tableau API
- Collaboratively developed data visualization tools, via the D3.js library, within the CRM to retrieve, process, and graphically display sales data
- Lead development on a new framework for sales territory analysis based on weighted averages of Rx sales and insurance data to account for potentially undervalued markets, 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 responsive, mobile-first and pixel-perfect Airbnb clone. Features a GraphQL API with endpoints to a custom-built authentication/authorization system, a robust search feature, and the ability to reserve listings
- Implemented advanced React design patterns like state reducers to control intricate query params and compound components to increase code reusability
- Utilized completely anonymized listings data web-scrapped from Airbnb using Puppeteer, along with 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*