Colin Derrer

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Technical Skills

Languages
- JavaScript, TypeScript, Python, React, C#, HTML and CSS

Frameworks and Technologies
- Core Frameworks: React, Next.js, Express.js
- Databases: PostgreSQL, MySQL, MongoDB
- VCS: Git and GitHub
- Back-end API and API Testing: REST APIs, GraphQL APIs, Postman
- Testing: Jest, Vitest, Supertest
- Styling: TailwindCSS, ShadCN UI, React-Three-Fiber, Three.js
- Hosting: Vercel and AWS
- Other front-end Libraries: jQuery, GSAP, Axios

Development Skills
- OOP (object-oriented programming) and design patterns
- UI/UX Prototyping in Figma
- Data Structures and Algorithms

Professional Experience

Web Developer and Web Designer   October 2023 — January 2024
Venelt Studio
- Worked as a full stack web developer with two other developers in an Agile environment
- Communicated with clients to prototype and develop websites in Figma, Framer, and Next.js 13
- Increased websites average session duration by ~20%
- Improved conversion rate on an e-commerce store by 9% by streamlining buying process
- Scoped, estimated, and collaborated with stakeholders to ensure timely delivery of websites and digital products
- Had multidisciplinary roles, including redesigning a client's branding and photoshopping images to enhance appeal

AutoDeal App [(GitHub link)](#)   December 2023 — February 2024
Portfolio Application
- Designed, developed, and deployed a Next.js 13 web application to Vercel built for dealership operators and employees with customers-relationship management functionality.
- Project scored 4th place out of 103 students in a Springboard Bootcamp development competition
- Reduced API calls by 40% by implementing TanStack Query and utilizing caching patterns to optimize performance and reduce network load
- Engineered a lead-generation system with cron jobs and batch processing
- Enhanced developer experience and reduced potential tech debt by robust typing system with TypeScript
- Created a dashboard using webhooks to have live event updates such as vehicle purchases or client responses

Freelance Web Development   June 2023 — October 2023
Upwork, Fiverr
- Worked with five clients to develop new websites or redesign old websites
- Built websites on Next.js 13 and hosted with Vercel using TypeScript and Next.js
- Utilized on-demand static generation for rebuilding and caching CMS content with Contentful CMS
- Maintained an average first contentful paint of 1.4 seconds in websites by image optimization and lazy loading

Education

Springboard Bootcamp   March 2023 — February 2024
Web Development and Software Engineering
- Scored 4th out of 103 candidates during a project-ranking tournament where students created and deployed applications and then ranked other applications
- Networked and collaborated independently with other students to build and deploy passion projects