Colin Derrer

Senior Software Engineer

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EXPERIENCE

Venelt Studio   April 2022 — Present
Senior Software Engineer

- Worked as a senior software developer and full stack web developer in a website and software development startup, with the responsibility of directing and architecting services and developing websites.
- Developed, deployed, and hosted 4 containerized services on AWS and Vercel.
- Migrated various services from Vercel to AWS for cost saving, reducing overall monthly fees by 17%.
- Helped improve an e-commerce site's performance from 1.8% to 2.4% by following Baymard's accessibility and layout guidelines.
- Wrote tests and integrated logging for all services, improving reliability by reducing crashes to zero.
- Created an integrated ordering app in use by 9 restaurants, using Stripe on a TypeScript backend using serverless functions on Vercel.
- Developed and deployed a reservation system and menu CMS system for restaurants in use by 20 restaurants with automated BI reports via a business intelligence dashboard.
- Improved reservation API response time on certain common actions from 1431ms to 250ms by reducing unnecessary database calls and caching responses.
- Closed deals via sales with over 30 clients to build and design websites, hosted primarily using Vercel and AWS and built on Next.js 13 and TypeScript.
- Used Google Analytics 4, A/B testing, and Google Lighthouse for improving website layout and making data-driven decisions.
- Engineered and maintained CI/CD pipelines for Venelt Studio's services and client websites, such as automated testing and automated backups.
- Designed and created software for dealerships to manage their inventory and clients, which included functionalities of AI-based lead generation and report generation with ChatGPT.
- Communicated with clients to prototype and develop websites in Figma, Framer, and Next.js 13.

Freelance   June 2020 — April 2022
Freelance Web Developer

- Worked as a web design and backend freelancer with over ten clients to design and develop websites and live services.
- Migrated websites from WordPress and onto Next.js 13, Webflow, and Framer.
- Developed a live chat service as a website widget, hosted using websockets on an AWS EC2 instance.

SKILLS

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

Frameworks and Technologies
- Core Frameworks: React, Next.js, Express.js, C#, .NET Core
- Databases: PostgreSQL, MySQL, MongoDB
- VCS: Git and GitHub
- Back-end API and API Testing: REST APIs, GraphQL APIs, Postman
- Styling: TailwindCSS, ShadCN UI, React-Three-Fiber, Three.js
- Hosting and DevOps: Vercel, AWS, Azure
- Prototyping: Figma, Adobe Illustrator, Adobe Photoshop
- OS: Windows, Linux (Ubuntu distro)

EDUCATION

Springboard Bootcamp   March 2023 — February 2024
Web Development and Software Engineering