Ethan Schwartz

Software Engineer

👤 Profile

Full Stack Developer with 4+ years of professional experience. I have deep expertise in Nuxt.js and Next.js, my preferred frameworks, with a strong affinity for Vue.js. While Vue.js is my top choice, I am equally enthusiastic about working on React/Next.js projects. Proficient in a wide range of languages and technologies, including JavaScript/TypeScript, PHP, Angular, and Laravel.

💼 Employment History

Software Engineer at SECLOCK, Westwood, MA

June 2020 — Present

seclock.com

Key Features Implemented

- Built a filtered product search capable of processing and filtering approximately 10 million SKUs within 100ms to 250ms.
- Developed complex multi-step pages such as cart and checkout pages, integrating payment and billing options with Stripe.
- Created a shipping interface with an interactive map displaying shipment locations, utilizing the Google Maps API and UPS API.

Technology and Techniques Used

- Developed and maintained a Single Page Application (SPA) using Vue.js, Laravel, TailwindCSS, Inertia.js, MySQL, and related technologies (HTML, CSS, JavaScript, PHP, Node.js, Laravel-Vapor).
- Designed and implemented MVC architecture in Laravel to handle form submissions, RESTful API requests, and database operations, resulting in a highly maintainable and scalable codebase.
- Collaborated closely with UI/UX designers to create custom Vue components, delivering a seamless and intuitive user experience.
- Optimized website performance and reduced load times by minimizing HTTP requests, implementing debouncing and asynchronous functions, utilizing Cloudinary for image compression, and applying effective caching strategies.

Front End Developer at Semestr, Remote

June 2022 — Present

semestr.io

Key Features Implemented

- Developed a textbook creator that generates full chapter from lecture notes, allowing for editing, ordering, and publishing as a book or PDF.
- Implemented an advanced search bar to enhance user navigation, enabling quick and accurate searches across large datasets.

Details

Tel Aviv
Israel
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Links

Portfolio Website
LinkedIn
Github

Skills

Vue.js

Nuxt.js

React

Next.js

Laravel

Node.js

TypeScript

JavaScript

TailwindCSS

Angular

Search Engine Optimization

Amazon Cloud Services (AWS)

SQL

Web Scraping

Languages

English

Hebrew

Spanish

- Created and enforced security protocols to protect content, ensuring the integrity and confidentiality of user data.
- Integrated subscription payments using Stripe's API, streamlining the payment process for users.
- Built a comprehensive metrics page where publishers can track their performance, including subscription counts, views, and income, presented through charts, graphs, and other infographics.
- Developed dynamic sitemaps, allowing for better SEO on Google, improving educator visibility and discoverability.

Technology and Techniques Used

- Utilized Angular, TailwindCSS, and TypeScript for frontend development, focusing on responsive design and user experience.
- Implemented robust C# functions within .NET Entity Framework for asynchronous data fetching and real-time updates.
- Streamlined code with ES6, Redux, RxJS, and NgRx, improving performance and response times.
- Managed AWS S3 bucket for efficient data storage and manipulation.
- Maintained coding standards and performance through GitHub-based code reviews and pull request management.

Open Source Developer at Github, Remote
August 2021 — Present

- Actively contribute to, maintain, and create open source projects, focusing on building and enhancing publicly accessible templates, as well as publicly accessible APIs.
- Manage personal repositories, fostering community involvement and encouraging collaboration on various open source projects.
- Engage in continuous learning and knowledge sharing, providing utilities for the online community
- Currently in the process of constructing a large component library for React
- Shared projects that demo the use of popular APIs including the OpenAI API, PDF text-extraction and interpretation

🎓 Education

B.A. Chemistry, Boston University, Boston
August 2017 — 2021

- Dean's list (Fall/Spring 2019, Fall/Spring 2020)
- Recognized member of the American Chemical Society
- Completed courses in Calculus I, Calculus II, Multivariable Calculus, Chemical Statistics, Qualitative Analysis
- Utilized Python frequently for formulaic, quantum calculations