

# Ethan Schwartz

Software Engineer

## Profile

Full Stack Developer with 3+ 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](https://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](https://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.
- 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

## Details

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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

C# .NET

Web Scraping

## Languages

English

Hebrew

Spanish

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