Ethan Rule

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Education

Washington State University	Pullman, WA
Bachelor of Science in Computer Science	*Aug 2020 - Dec 2024*
	GPA 3.4

Summary

Full Stack Software Engineer with Next.js SaaS experience and a proven record of launching products with paying customers. Skilled in TypeScript, React, PostgreSQL, Git, and Cloud deployment with a strong academic foundation in OOP, data structures, and algorithms.

Work Experience

Rudarz.com - *CEO / Founder* | *GitHub*   Jun 2024 - Present

- Built a SaaS platform (Next.js, Node.js, PostgreSQL, and Stripe), generating $5,000+ revenue from 300+ paying customers worldwide. Used by tens of thousands of players to secure higher ratings in WoW.
- Automated sales with authentication using Google OAuth and payments using Stripe and PostgreSQL.
- Deployed GitHub repository on Vercel to utilize their automatic CI/CD and Neon PostgreSQL platform.
- Optimized app to score 95-100 in Google Lighthouse metrics (performance, accessibility best practices).
- Modularized React components to prevent repeating the same HTML/CSS on multiple pages/components.

TruDate - *Software Tester / Product Intern*   May 2023 - Oct 2023

- Evaluated and tested core React Native features for a dating-app MVP, documenting 30+ UI/UX issues.
- Conducted competitor research (Tinder, Bumble, Hinge) to inform UX decisions based on industry conventions.
- Collaborated across design, marketing, and backend teams within an Agile environment to align goals.

Projects

RefineGen.com | *GitHub*   Oct 2025 - Present

- Built a Next.js SaaS hosted on Vercel that utilizes OpenAI's GPT4 and Dalle-3 models for context/image gen.
- Wrote comprehensive Jest unit tests to ensure API endpoints handle 400 and 500 HTTP errors accordingly.
- Integrated Authentication with Google and GitHub OAuth, and payments via Stripe.
- Nested multiple React Function Components and used hooks like useState and useEffect to perform UI updates.

WoW-Stats   Feb 2023 - Oct 2023

- Collaborated with two Experienced Software Engineers and built a Next.js statistics application.
- Peer-programmed and received detailed code reviews, enabling me to sharpen my Typescript and Git skills.
- Built a frontend table displaying character statistics with MUI components, React, and TailwindCSS.
- Defined REST API endpoints to fetch multiple pieces of player data from Blizzard's API.

Spreadsheet Engine | *GitHub*   Aug 2024 - Dec 2024

- Developed a .NET C# spreadsheet application using OOP design to model cells, formulas, and references.
- Built a layered architecture, with subscribers and publishers to connect the back and frontend via events.
- Implemented a modular architecture separating parsing, evaluation, and UI for maintainability, and applied the Command design pattern to handle undos and redos for user actions.

Technical Skills

Languages: TypeScript (JavaScript), Python, C#, Rust, C/C++.

Frameworks: Next.js (Node.js), React (HTML), Tailwind CSS (CSS).

Tools/DB: GitHub (Git), GitLab, Vercel, AWS, PostgreSQL, MongoDB.