Noah Kaiser

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EDUCATION

James Madison University — Arlington, VA
Bachelor of Integrated Science and Engineering in Computer Science — *Aug. 2019 – May 2023*

EXPERIENCE

Freelance — May 2024 – Present
Full-Stack Web Developer — *Remote*

- Great Vibe Events - Optimize website performance by rebuilding the architecture using **Next.js**, leveraging **server-side rendering (SSR)** and **caching** to reduce load times. Design and implement a **PostgreSQL** Database to store returning customer data and process event forms electronically.
- Pick6 - Refactor legacy **PHP** codebase to **TypeScript** with **Next.js**, improving scalability and maintainability. Update **MySQL** database provider to **Neon** with **PostgreSQL** to eliminate monthly database storage costs. Implement virtualized rendering with **react-window** to optimize tables with large data, reducing unnecessary re-flows.
- Discord Bot Development - Maintain and update multiple **Discord** Bots written in **discord.js** using **TypeScript** for servers up to **2,000 users**. Create/manage each individuals bot's database infrastructure through **Supabase** with **PostgreSQL**. Integrate developer tools like **Postman** and **BetterStack** to monitor applications up-time on each web-server deployed through **Render**.

System Management Technology Inc. — December 2023 – April 2024
Web Developer — *Falls Church, VA*

- Reduced the course-based training software's page content load time from **5 seconds to under a second** by converting **callback functions** to **ES8 async/await syntax**.
- Rewrote the course-based training software's **user interface** using **JavaScript** and **CSS** and made course components **responsive**.
- Created and modified page content and test content course components to extend features for course-building.
- Added **SCORM API** functions to the course-based training software to collect and store online learners test responses.

System Management Technology Inc. — Jun 2018 – July 2018
Data Entry Clerk — *Falls Church, VA*

- Transcribed information from military technology manuals to create **SCORM** course modules for military students.
- Review and modify existing **XML/HTML** documents associated with **SCORM** course modules.

PROJECTS

Pick6 | *Next.js, Neon, Node.js, PostgreSQL, Tailwind CSS, TypeScript, Vercel* — July 2023 – Present

- Created a Fantasy Football site to process **excel** player data into a **PostgreSQL** database for over **1,000 users**.
- Allow all users to make team selections, manage their profile data and view other users' statistics.
- Allow administrators to upload game results, manage users, configure timer settings, and modify old season data.

CrossyOff | *Next.js, Neon, Node.js, PostgreSQL, Tailwind CSS, TypeScript, Vercel* — July 2019 – Present

- Built a **responsive** website for tracking competitive Crossy Road player data for over **50 users**.
- Created pages for data analytics including tournaments, player statistics and leaderboards.
- Added **form validation** for submitting high scores and send a **Discord Webhook** of the data for server moderators to validate.

Biomium | *CSS, Node.js, JavaScript, Render, Tampermonkey, Socket.io* — August 2018 – July 2019

- Created an enhanced **user interface** for **30+ users** for the website game biome3d.com externally loaded through **Tampermonkey**.
- Added savable style settings and hotkeys for built-in and added game components using **localStorage**.
- Created a mini map that was later expanded to a **Socket.io** server for multiplayer experience.

TECHNICAL SKILLS

Languages: CSS, HTML5, JavaScript, TypeScript, SQL
Developer Tools: FileZilla, Git, Neon, Postman, Render, Tampermonkey, Vercel
Frameworks/Libraries: MySQL, Next.js, Node.js, PostgreSQL, React, Tailwind CSS