

Ethan Behrends

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Work Experience

Software Developer

HYFIN (2021 - Present)

Tech stack: **Node, MongoDB, Redis, Svelte, Java, React, AWS**

- Contributed to the inception of brand new financial software from beta stage to successful market entrance.
- Led development of feature enabling clients to collect subscription-based payments, feature now generates **~30% of all volume** processed on platform.
- Dramatically reduced application load times by implementing strategic caching and parallelization, boosting overall performance and **cutting initial load time by 72%**.
- Constructed powerful full-stack infrastructure facilitating intuitive and performant navigation of a data-intensive application, increasing developer efficiency and enabling rapid development of new features.
- Implemented rate-limiting using Redis to rapidly deflect malicious requests, ending a series of attacks attempting to validate stolen information.
- Engineered suite of customer support tools allowing support staff to easily diagnose and solve client issues, including an integration with JIRA.
- Developed software integrations with Intuit Quickbooks and four other industry partners, creating opportunities to reach new markets and onboard thousands of new clients.
- Introduced automated testing practices, increasing code reliability and preventing regression during fast-paced and turbulent development cycles.
- Applied UI/UX skills to design visually appealing and responsive interfaces, raising standards and providing consistent design frameworks to emulate.

Projects

Messaging Platform

Tech stack: **Node, Express, MongoDB, React, SocketIO**

- Full-stack messaging platform mirroring the core functionality of apps like Slack and Discord.
- Utilized WebSockets to achieve real-time messaging and notifications.
- Designed responsive user interfaces built with React and the Material UI library.
- Constructed secure account creation module implementing password encryption via hashing and salting.

Wordle Clone

Tech stack: **Svelte, Node, Express**

- Created adaptation of the popular word game Wordle - expanding upon the original by adding features such as the ability to design and share user-created content.

Skills

Languages

- Javascript
- TypeScript
- Java
- HTML
- CSS
- C++
- Python

Technologies & Frameworks

- SvelteJS
- ReactJS
- MongoDB
- Redis
- PostgreSQL
- AWS

UI/UX

- Adobe Creative Suite
- Sketch
- Figma