

# Ethan Behrends

## Software Engineer

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### Work Experience

#### Full-Stack Engineer

HYFIN (2021 - Present)

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

- Collaborated with team members to design and develop financial software during early-stages and product launch.
- Led development of feature enabling clients to collect subscription-based payments, a feature that now generates over 30% of all volume processed on platform.
- Spearheaded architecture and engineering of feature allowing merchants to draft detailed invoices and create payment plans for their customers with a user-experience that outshines top competitors. Upon release, the rate of new accounts onboarded increased ~40%.
- Directed our team's transition to TypeScript, resulting in significantly fewer bugs, improved maintainability, and an overall boost in confidence that was critical for the team's ability to scale.
- Mentored an intern on the development team, providing guidance on coding best practices, development workflows, and effective collaboration with team members, resulting in a significant amount of growth for the intern
- Dramatically reduced application load times by implementing strategic caching, parallelization, and server-side rendering, boosting overall performance and cutting initial load time by 72%.
- Developed software integrations with Intuit Quickbooks and six other industry partners and payment gateways, creating opportunities to reach new markets and onboard thousands of new clients.
- Constructed powerful full-stack infrastructure facilitating intuitive and performant navigation of a data-intensive application, increasing efficiency for both users and developers.
- Implemented rate-limiting using a combination of Redis and in-memory cache to rapidly deflect malicious requests, ending a series of attacks attempting to validate stolen credit card information.
- Engineered suite of customer support tools allowing support staff to easily diagnose and solve client issues.
- Introduced automated testing practices, increasing code reliability and preventing regression during fast-paced development cycles.
- Applied UI/UX skills to design visually appealing and responsive interfaces, raising standards and providing consistent design frameworks to emulate.

### Personal Projects

#### Recruit Source

Tech stack: Next.js, Prisma, TypeScript, tRPC, MySQL

- SASS product designed to assist recruiters during the hiring process, using Artificial Intelligence to analyze resumes, screen candidates, and provide insightful feedback to aid hiring decisions.

### Skills

**Languages:** JavaScript, TypeScript, Java, HTML, CSS, C++, Python

**Frameworks/Technologies:** Svelte, SvelteKit, React, Next.js, MongoDB, SQL, AWS, Vercel, Redis, Node

**Other:** Adobe Creative Suite, Figma, Moderate Spanish

### Education

**University of Kansas** 2019-2021

*Computer Science - 40 credit hours*