TAYLOR BEESTON

VP of Engineering @ Learning Economy Foundation

CONTACT INFORMATION

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PROFILE

Current VP of Engineering at Learning Economy Foundation with over five years of professional development experience and more than a decade of personal development experience. Passionate about enhancing developer experience, facilitating effective collaborations, and driving technology integration in complex systems. Expert in resolving intricate architectural challenges, ensuring service observability, and promoting operational excellence with a strong focus on a human-centric approach to technology. Active maintainer of the open-source LearnCard framework.

SKILLS

Programming Languages: TypeScript, Rust, Python, Ruby, C/C++

Frameworks and Libraries: React, WASM, GLSL/WGSL

DevOps and Build Tools: ESBuild, CI/CD, DevOps

System Architecture: Microservices, Monorepos, System Design

Other Skills: HTML & CSS, Database Management, Build Tooling

EMPLOYMENT HISTORY

VP of Engineering, Learning Economy Foundation

Aug 2020 – Present

- Promoted to VP of Engineering in March 2022 after demonstrating significant skill and leadership.
- Led a pivotal migration from a Meteor-based monolith to a more efficient architecture with CRA 5 on the frontend and ESBuild on the backend, reducing CI deployment times by 75% and saving approximately 3 hours per week.
- Achieved performance improvements: halved general response times, reduced a >3 minute query to <5 seconds, improved initial Time to First Contentful Paint (TTFCP) from 15 seconds to a few hundred milliseconds, and implemented frontend caching for instant initial load.

- Implemented a custom translations microservice, reducing costs from over $500/month to less than 1 cent per year.

- Developed two large monorepos, enhancing code reuse and simplifying package use.

- Overcame challenges with WASM, ensuring consumer flexibility and library performance.

- Revolutionized build and deployment processes with ESBuild, reducing build times from >20 seconds to <200ms.

- Managed and mentored a team of 4-6 developers, fostering a family-like team atmosphere and ensuring the successful deployment and maintenance of multiple codebases and applications/libraries.

EDUCATION

Web Development Certificate, Liberty University

Lynchburg, VA | Jan 2019 – Aug 2019

- 4.0 GPA

- Built an E-Commerce web app from scratch.

- Compared benchmarks from PostgreSQL, MariaDB, Redis, and MongoDB in several settings.