



Robert Lynch

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professional experience

Senior Software Engineer @ EdLink

August 2021 - January 2022

- Redesigned and implemented the data transformation pipeline in Rust and Typescript
- Led workshops with customers to provide personalized support, identify root problems, and outline technical solutions to our product to meet their needs

Senior Software Engineer @ Facebook

August 2016 - July 2021

- Architected a new framework for the website codebase's code-generation, building new files incrementally off developer's changes as opposed to all files in the repository.
 - Resulted in a 92% reduction in build-related deployment failures and a 400% reduction in build times in the first 6 months.
 - Partnered with teams across the company, such as the internal GraphQL, Thrift, and Relay infrastructure teams, to migrate their code-generation to the new incremental platform.
- Designed and implemented a framework for linting the Hack code in Facebook's website codebase.
 - Continues to identify over 50k+ quality issues to developers in their editors and on pull requests daily.
 - Executes hundreds of lint rules contributed by developers across the entire company efficiently.
- Designed, implemented, and enforced a consistent API for writing command line scripts in Hack, allowing for better logging, type safety, and ease-of-use.
 - Achieved 25% adoption in first 3 months with a nearly 100% adoption in 2 years requiring a minimal active migration effort.
- Maintained and modernized the Hack codebase's testing frameworks.
 - Added new testing functionality, including a system to amortize test costs effectively to reduce individual test runtimes by up to 95%.
 - Improved the developer experience with more helpful failure messages.
- Wrote or modernized several internal web-based tools, utilizing the most modern React, Relay, and GraphQL technologies.

Software Engineer @ Beek

October 2015 - June 2016

- Engineer-at-large; worked on site efficiency, performance, and stabilization.
- Migrated the UI from Rails templates to React backed by GraphQL and Relay to greatly reduce page-load times.
 - Reduced time-to-interactive from >30s in some instances to <1s.
- Migrated the site's hosting from a bespoke cloud provider to AWS Elastic Beanstalk with minimal downtime.

Co-founder and CTO @ Cerebri AI

January 2015 - August 2015

- Worked closely with investors and early adopters to create and align initial company vision
- Implemented the initial version of the product, working closely with IBM's Watson

education

University of Texas at Austin

Graduated May 2016

- Bachelor of Science in Computer Science

skills

Expert	Proficient		
PHP, Hack	Svelte, Vue, Angular	SQL	Java, Kotlin
React, JavaScript, TypeScript	Rust	Swift, Obj-C	Docker
GraphQL, Relay	C, C++	Python	Bash, Zsh