



Robert Lynch

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professional experience

Senior Software Engineer @ Beek

2022

- Migrated UI from Rails templates to React backed by GraphQL to greatly reduce page-load times
 - Reduced time-to-interactive from over 30s to under 1s
- Migrated mobile apps from React Native to separate native apps using Kotlin / Jetpack Compose on Android and Swift / SwiftUI on iOS for better platform integration and UX
- Established best engineering practices for web interfaces, including component-driven development with UI testing and review and a consolidated design system library
- Architected and developed a web player interface with multi-device synchronization using React and NextJS
- Mentored junior engineers on industry coding standards and modern best practices

Senior Software Engineer @ Facebook

2016 - 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

Co-founder and CTO @ Cerebri AI

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 2016

- Bachelor of Science in Computer Science

skills

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