# Ethan Glover

Chesterfield, MO, 63017

Email: hello@ethang.email
Phone: +1-816-542-0568
LinkedIn: linkedin.com/in/ethan-glover/
GitHub: github.com/eglove

## Summary

Software engineer with 6+ years of experience across many different technologies. I have been able to gain a lot of perspectives by working with different stacks, languages, and frameworks. Learning the advantages/disadvantages of OOP, functional programming, hybrid paradigms, test-driven development and behavior-driven development. I am constantly working on side projects and love jumping in and learning new things.

My focus is on product development first. Achieving this from an engineering perspective means TDD and establishing quality gates through static analysis. Building confidence in the system means developers, and by extension clients, can keep moving forward without worrying about what's behind them.

The majority of my skillset and experience is in the JavaScript ecosystem, React and TypeScript. However I have a deep appreciation for every language and it's features. Java and .NET have standard libraries that simply don't exist in JS. However TypeScript is a much more expressive type system of any language. React has traditionally been a faster moving way to build frontends, but signals are spreading across and simplifying frameworks while React SSR frameworks only get more complex.

## Experience

### Software Contractor

*Remote* *November 2018 – Current*

- Multiple contracts working with many different stacks. Primarily React as a frontend, and many backend technologies such as Node, .NET, Java and PHP.
- With St. Louis County, introduced automated testing to legacy codebases by setting up and writing unit tests for .NET backends as well as E2E and accessibility testing for React frontends. The major challenge with introducing tests to legacy codebases is that test runners sometimes expect the best practices that they enforce. This was causing many very difficult to reproduce bugs. This means getting tests set up would require significant refactoring, even entire rewrites. This is why we pivoted to a focus on E2E as much as possible.
- At Proagrica, I worked with a highly dynamic farming dashboard for an international audience. Made use of Redux to manage complex state interactions and used time travel debugging to discover existing state, debug, and build new features.
- With the EPA, I helped rebuild Emissions Collection and Monitoring System (ECMPS) for reporting emission data with a new tech stack. We made an effort to always increase test coverage. The result was QA asking for us to slow down because our production was too fast and not revealing issues. This gave us time to produce more reproducible examples and help QA to ensure the highest quality.
- Tech Used: .NET, Apache Velocity, Apollo, AWS, AWS Lambda, Bootstrap, C#/.NET, Docker, Entity Framework, ESLint, GitHub, GitLab, GraphQL, HTML/CSS, i18next, Java, JavaScript, Jest, Jira, Laravel, MediatR, Moq, NestJS, NextJS, NodeJS, NX, PHP, Playwright, Prisma, React, React Testing Library, ReactPDF, Redux, Rust, Sitecore, Spring Boot, SQL, Stencil, StoryBook, Subversion (SVN), Tailwind, Twilio, TypeGraphQL, TypeORM, TypeScript, United States Web Design System (USWDS), Vue, WebAssembly, WebRTC, WebSockets, XUnit, Yii, Zod
- Methodologies Used: Accessibility, Agile, Composable Design, Crab Testing, Dependency Injection, Monorepo, MVC, On-Prem Hosting, REST, SEO, TDD