

Jesse Kelly

Lead Full Stack Engineer

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## Professional Experience

### Lead Full Stack Engineer

ProjectDiscovery.io

May 2021 - Jun 2023

- Acted as the technical lead and lead software architect for the web development team(approx. 4 engineers) as well as an advisor to other technical teams.
- Implemented highly reliable [CI/CD](#) pipelines using [Github Actions](#) and [Vercel](#).
- Improved website and application reliability, security, and user experience company wide by leading the company to adopt [Typescript](#), [Test Driven Development](#) techniques, and functional programming.
- Implemented several successful, and user impacting, applications using [Typescript](#), [React](#), [fp-ts](#), [Effect-ts](#), [Jest](#), [Vitest](#) and [Google Cloud](#).

### Senior Full-Stack Engineer

Glitzi (YC S21)

Sep 2020 - May 2021

Worked with Glitzi alongside 3 other engineers to launch a telemedicine platform targeting the Mexican market.

- Implemented security critical, HIPAA compliant, backend code in [Python](#), [Django](#), [Redis](#), and [SQL](#) for handling sensitive patient medical data.
- Lead the development of the frontend of the application. Implemented user to user payments using [Stripe](#) as well as secure user to user file sharing and video calls.

### Senior Full Stack Engineer

Reworth

May 2020 - Sep 2020

- Developed a full stack [React](#), [Typescript](#), [Python](#) and [Django](#) application for working with sensitive credit card transaction data.

### Full Stack Engineer

Appuntos

Mar 2019 - May 2020

- Maintained legacy [Python](#) and [Django](#) backend.
- Maintained and improved an Android and iOS application built using [Angular](#), [Capacitor](#), and [Ionic](#) while adding new features, improving test coverage, and improving code quality.
- Developed new web applications and tools using [React](#), [Redux](#), [Node.js](#), [Express](#), and [MongoDB](#)

## Education

### The Ohio State University

Sep 2014 - Jun 2017

B.A. Mathematics

Courses

- Mathematical Statistics I,II: Learned advanced statistical methods including Confidence Intervals, Regression Analysis, and ANOVA Tests. Used the [R](#) programming language and [Matlab](#) for data analysis.

