

Jesse Kelly

Lead Full Stack Engineer

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Professional Experience

Lead Full Stack Engineer, ProjectDiscovery.io

May 2021 - Jun 2023

- Served as the technical lead and software architect for a web development team of approximately 4 engineers, advising other technical teams.
- Implemented robust [CI/CD](#) pipelines using [GitHub Actions](#) and [Vercel](#), streamlining deployment processes and integrating [Docker](#) and [Kubernetes](#) for containerization and orchestration.
- Enhanced website and application reliability, security, and user experience by promoting the adoption of [Typescript](#), [Test Driven Development](#) techniques, and [Functional Programming](#).
- Developed successful and impactful applications using [Typescript](#), [React](#), [fp-ts](#), [Effect-ts](#), [Jest](#), [Vitest](#), and [Google Cloud](#).

Senior Full Stack Engineer, Glitzi (YC S21)

Sep 2020 - May 2021

- Implemented security-critical, HIPAA-compliant backend code using [Python](#), [Django](#), [Redis](#), and [SQL](#) to handle sensitive patient medical data.
- Led the front-end development of the telemedicine application, utilizing [React](#) and [Typescript](#) to create an intuitive and user-friendly interface for patients and healthcare providers.

Senior Full Stack Engineer, Reworth

May 2020 - Sep 2020

- Spearheaded the development of a robust and scalable PRM (Payment Relationship Marketing) system, enabling businesses to leverage payment data for customer behavior analysis and personalized marketing strategies.
- Developed and optimized backend services using [Python](#) and [Django](#) to handle large-scale transactional data efficiently, ensuring high performance and reliability.
- Engineered front-end solutions with [React](#), [Typescript](#), and [Tailwind](#), delivering intuitive and user-friendly interfaces that facilitated frictionless customer interactions.

Full Stack Engineer, Appuntos

Mar 2019 - May 2020

- Maintained a legacy [Python](#) and [Django](#) backend.
- Enhanced and maintained Android and iOS applications built with [Angular](#), [Capacitor](#), and [Ionic](#), focusing on adding features, improving test coverage, and ensuring code quality.
- Developed new web applications and tools using [React](#), [Redux](#), [Node.js](#), [Express](#), and [MongoDB](#). Leveraged [GraphQL](#) for efficient data retrieval and manipulation.

Education

B.A. Mathematics, The Ohio State University

Sep 2014 - Jun 2017

Courses

- Mathematical Statistics I,II: Gained expertise in advanced statistical methods including Confidence Intervals, Regression Analysis, and ANOVA Tests. Utilized [R](#) and [Matlab](#) for data analysis.