

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 (formerly Appuntos)

Mar 2019 - Sep 2020

- Led the development of Reworth's fintech PRM platform, enabling businesses to leverage payment data for targeted cashback offers, enhancing customer retention and sales performance.
- Optimized backend systems using [Python](#) and [Django](#) to securely handle large-scale financial transactions, ensuring high performance and data integrity.
- Built secure, user-friendly interfaces with [React](#) and [Typescript](#), integrating seamlessly with banking apps to improve customer engagement.
- Developed and maintained fintech web and mobile applications, leveraging AI-driven insights with [React](#), [Node.js](#), and [MongoDB](#) to deliver personalized marketing strategies and an enhanced user experience.

Full Stack Engineer, Zima

Jun 2017 - Mar 2019

- Developed and deployed cross-platform web and mobile applications using [AWS](#), [Docker](#), [React](#), and [Ionic](#), while maintaining an internal [Typescript](#) library for rapid development.
- Collaborated with clients to deliver MVPs, focusing on performance optimization and meeting specific requirements through [PWAs](#) and hybrid apps.

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.