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

The Ohio State University   Sep 2014 - Jun 2017

B.A. Mathematics

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.