

Kevin Tayah

Senior Software Engineer

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Profile

Full-stack software engineer with **five years of startup experience**. I was among a team of four engineers building an unique FinTech application from scratch; my work helped our company attain **\$5M in seed investments**.

Skills

- **Programming Languages:** Elixir, HTML, CSS, JavaScript, Rust, Erlang, SQL, Python, Java, C++
- **Frameworks:** Phoenix, React, Redux, React Native, Svelte, Node.js
- **Tools:** RabbitMQ, Postgres, Kubernetes, Docker, Terraform, MongoDB, OpenTelemetry, Grafana, Git, Github Actions, FFMPEG

Employment History

Senior Software Engineer at WithBelay, Philadelphia

December 2021 - Present

Skills and technologies: Elixir, Phoenix, RabbitMQ, Postgres, Docker, Kubernetes, Terraform, HTML, CSS, JavaScript, Rust

Key Contributions:

- Engineered **~41% of the frontend and backend codebase** due to management prioritizing my involvement in pair programming collaborative sessions that focused on critical code paths.
- Instrumental in **securing a seed round of over \$5M in funding** through the development of robust backend systems, demonstrating the viability and potential of the product to investors.
- **Independently spearheaded the implementation of critical features** including user authentication, automatic PDF and email generation, seamless user bank account access, secure ACH payment transfers, and cross-service observability, enhancing the user experience and operational efficiency.
- **Led the development of a high-performance distributed micro-service** which leveraged Elixir to track and stream data pertaining to **over 10K stocks and their option chains**, ensuring real-time data availability and accuracy for financial operations.

Senior Software Engineer at Wolf Financial, Philadelphia

March 2021 - December 2021

Skills and technologies: React Native, Node.js, MongoDB, Firebase, FFMPEG, D3.js, Jest, AWS Elastic Beanstalk

Key Contributions:

- Organized and planned features between CEO and Head of Design which lead to acquiring **angel investments totaling up to \$750,000** and **growing its user base by 400%**
- **Managed and mentored 3 developers**, to insure efforts were meeting business goals

- **Interviewed 20+ potential new hires** to expand the team

Software Engineer at Wolf Financial, Philadelphia

June 2020 - March 2021

Skills and technologies: React Native, Node.js, MongoDB, Firebase, FFMPEG, D3.js, Jest, AWS Elastic Beanstalk

Key Contributions:

- Contributed to **35% of code-base** by implementing core social media features like posting and/or viewing images, videos, text, polls, and stock charts on a shared feed
- Independently created a reusable module which created animated SVG-based chart in app to observe stock price change information
- Implemented a video editing feature to allow users to stitch videos, add text, add/or chats to user created videos

Projects

Advent of Code 2021

December 2021 - January 2022

Skills and technologies: Rust

- Solved multiple daily released coding puzzles ranging in difficulty and requiring multiple types of algorithms in Rust

TypedStructDataFrame

June 2019 - June 2021

Skills and technologies: Elixir

- An open-source Elixir library which provide macros that define helper functions to parse and/or generate data-structures with the intent for data science and/or large data exploration

Education

Drexel University at Philadelphia, PA

BS in Computer Science

September 2016 - June 2021

Concentration in Artificial Intelligence, Data Structures, and Algorithms

Internships

Software Engineer at Nuix, Conshohocken, PA

September 2019 - April 2020

Skills and technologies: React, Redux, Java Spring, Storybook, Jenkins

Key Contributions:

- Improved development sprint velocity by 50% within the first two months
- Coordinated with UI/UX designers to deliver business-oriented solutions