Kevin Tayah

Senior Software Engineer

Profile

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

Employment History

Software Engineer at WithBelay, Philadelphia

December 2021 - Present

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

Key Contributions:

- Played a pivotal role in backend development, with management prioritizing my involvement in pair programming sessions which focused on critical code paths. This approach resulted in **contributing to approximately 41% of the codebase**
- 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, and secure ACH payment transfers, enhancing user experience and operational efficiency
- **Led the development of a high-performance micro-service** leveraging 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:

- Helped Wolf acquire angel investments **totaling up to $750,000 and grow its user base by 400%**
- **Managed** and mentored up to 3 developers, to insure efforts were meeting business goals
- **Interviewed 20+ potential new hires** to expand the team

Address

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Education

Drexel University at Philadelphia

BS in Computer Science

Sept. 2016 - Jun. 2021

Concentration in AI, Data Structures, and Algorithms

Programming Languages

Elixir
HTML/CSS/JavaScript
Rust
SQL
Python
Java
C++

Frameworks

Phoenix
React/Redux
React Native
Svelte
Node.js

Tools

RabbitMQ
Postgres
Terraform
Kubernetes
Docker
MongoDB
Git
Github Actions
FFMPEG

Software Engineer at Wolf Financial, Philadelphia

June 2020 - March 2021

Skills and technologies: React Native, Node.js, MongoDB, Plaid, Alpaca, Finnhub, 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 charts in app to observe stock price change information
- Implemented a video editing feature to allow users to stitch and add filters to 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

Drexel Weekend Warriors Club Website

June 2019 - June 2021

Skills and technologies: Next.js, Redux, Strapi, AWS EC2

- Designed, developed, and deployed website with a complete CMS system to allow client to fully customize website.
- Up to 1000 users have signed up for trips via this website.

Internships

Software Engineer at Nuix, Conshohocken, PA

September 2019 - April 2020

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

Key Contributions:

- Assisted in the development of two core projects, Investigate and Discover, both of which where tools for big data processing, searching, and visualization for unprocessed data