

Forrest Jones
Software Engineer/Testing Engineer

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SOFTWARE ENGINEER & FINANCE EXPERT

Experienced Software Engineer with a strong financial background in start-up companies, project management, and sales. Skilled professionally in equity, commodity, forex, futures, and cryptocurrency as a trader and credentialed Software Engineer. Adept at transitioning between traditional finance and decentralized finance, such as the cryptocurrency markets and alternative investments. Graduated from a Computer Software Engineering program at The Flatiron School of NYC. Transitioned to the technology industry full-time five years ago after a twenty year career in finance.

Passionate, innovative thinker with experience building full stack applications with Python, Flask, Javascript, React. TypeScript, Redux, SQL databases, and RESTful API architecture while utilizing the Project Management Methodologies: Agile, Scrum Lean, Kanban, JIRA, Waterfall framework. Demonstrated ability to develop, deploy, and integrate solutions for clients while working with cross-functional teams in an agile environment.

TECHNICAL SKILLS

Javascript (ES7), TypeScript, React, Redux, Python, Flask, , SQL, HTML, CSS, Git, Azure, AWS, Node.js(Mocha, Jest, Jasmine), RESTful API architecture, Solidity, Ethereum Smart Contract Creation, Cryptocurrency, Blockchain, Finance. Project Management Methodologies: Agile, Scrum, Lean, Kanban, JIRA, Waterfall.

TECHNICAL PROJECTS

THE BLESSING MACHINE:

<https://github.com/SirenOfChrome/tbm>

The Blessing Machine, aka "TBM, is a groundbreaking 501(c)3 non-profit donation platform Application that is tailored to raise money and manage the endowment funds for Christian non-profit groups. The platform aims to revolutionize the way these entities raise funds for their day to day operations by harnessing advanced technologies like AI and machine learning to handle all of the maintenance tasks so they can channel that energy back into the passions of their respective missions. This cutting edge platform that streamlines the fundraising process, offers a user-friendly experience to its users, and ensures efficient endowment management for its organizations. TBM is poised to reshape the fundraising landscape for many Christian organizations thus fostering further their long-term sustainability and growth.

- Used JavaScript/React for the front-end and Python/Flask/SQL for back-end and CSS for aesthetics.
- Please review the github repository posted above for an in depth view and scope of the current code.

ROAM:

<https://github.com/SirenOfChrome/ROAM>

ROAM is a website service that allows users to book entertainment venues and bands. The website provides an easy-to-use platform for event organizers to book the perfect entertainment for their events, and for venue owners and bands to showcase their services, and to connect with clients.

- Used JavaScript/React for the front-end and Python/Flask for the back-end.
- Modeled custom database schema and REST API with SQL databases, and Python/Flask.
- Specific role in this project was to create 100% of the back-end using Python/Flask/SQL and the CSS for aesthetics. Python Formik for validation.

Space-Exploration-CLI:

<https://github.com/SirenOfChrome/Space-Exploration-CLI-Version-3.0>

This is a CLI mock up for a potential client in the space industry created to demonstrate the team's ability to incorporate higher order maths into a simple CLI container via Python/SQL.

- App written strictly in Python/SQL that allows users to explore information about planets in a database.
- Built functionalities such as finding, adding, deleting, and filtering planets by star system or distance, as well as calculating time passed on Earth for a given number of years passed on a planet(incorporating time-dilation mathematics as requested by potential client)
- Utilized Python and SQL to design and build the database models and implement the back-end functionality of the app.

Cryptocurrency-Portfolio-Tracker:

<https://github.com/SirenOfChrome/Cryptocurrency-Portfolio-Tracker>

This is a comprehensive portfolio tracking app for cryptocurrency investors, showcasing proficiency in handling real-time data and complex calculations in a user-friendly interface for an existing client(name changed for proprietary reasons).

- Developed an app using JavaScript, React, and relevant libraries for tracking and managing cryptocurrency investments, with features such as adding, deleting, and monitoring individual assets. Integrated real-time data from various crypto exchanges using APIs to provide accurate and up-to-date pricing and asset information.
- Implemented advanced analytics, including historical price charts and profit/loss calculations, to help users make informed decisions about their investments.
- Utilized secure and efficient storage methods for user data, ensuring privacy and reliability in managing cryptocurrency portfolios. Styled with CSS. Converted to a RESTful state to honor proprietary nature of the app/legal department)

PROFESSIONAL EXPERIENCE

Furious Inc.,(Remote)
Software Engineer

Houston, TX
January 2019-Present

- Currently collaborate in a cross-functional team as a Software Engineer at a boutique fintech company specializing in full stack web development and deployment for the application needs of the company.
- Dominant languages are: JavaScript, React, TypeScript, Python, Flask, SQL, and CSS.
- Optimized code for better performance, resulting in 20% faster application load times.
- Conducted code reviews on a consistent basis and mentored other team members to improve overall team code quality

FGA Partners,(Remote)
Solidity Software Engineer

New York, NY
June 2022-November 2022(1099)

- Served as a Vice President to the company that specializes in fintech services to other companies that focus on developing and deploying decentralized blockchain products and applications..
- Full Stack Web Development was employed, JavaScript, React, TypeScript, Python, Flask, SQL, CSS, as well as Solidity for Ethereum based smart contracts.
- Led a small development team during the deployment of blockchain business products and applications.
- Increased company revenue by 25% through the implementation of innovative fintech solutions YoY for several consecutive years.

Merrill Lynch, Pierce, Fenner, and Smith Incorporated, (Hybrid- Remote)
Certified Hedge Fund Professional

Houston, TX
(December, 2017 - January, 2020)

- As a Certified Hedge Fund Advisor I advised institutional and individual high net worth clients on investment strategies and recommended specific hedge funds to meet their financial objectives.
- Conducted thorough analysis and due diligence on hedge fund managers, their investment strategies, and performance history to identify suitable investment opportunities for clients.
- Monitored clients' portfolios and recommended adjustments to their hedge fund holdings based on market trends, economic indicators, and other relevant factors.

EDUCATION

Flatiron School, NYC,

Computer Software Engineering (December 2022 - April 2023)

Full Stack Web Development: JavaScript, React,
TypeScript , Python, Flask, SQL, CSS

April 2023

Lamar University, TX,

Bachelor's Degree, General Studies (October 2004 - December 2006)

**I have maintained consistent employment since the year 2004, however the places of employment not listed herein are outside of the scope of my current profession. Employment not listed is available upon request. References are also available upon request.*