Forrest Jones
Software Engineer/Testing Engineer
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SOFTWARE ENGINEER & FINANCE EXPERT

Experienced Software Engineer with a strong financial background, adept at managing projects and sales in start-up companies. Proficient in trading equity, commodity, forex, futures, and cryptocurrency, and well-versed in transitioning between traditional and decentralized finance, such as cryptocurrency markets and alternative investments. Graduated from The Flatiron School of NYC's Computer Software Engineering program, transitioning to the technology industry full-time after a 20-year career in finance. A passionate, innovative thinker skilled in building full stack applications using Python, Flask, JavaScript, React, React Native, Angular v15+, TypeScript, Redux, SQL databases, and RESTful API architecture. Proficient in Agile, Scrum, Lean, Kanban, JIRA, and Waterfall project management methodologies, demonstrating the ability to develop, deploy, and integrate solutions for clients while collaborating 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 & PORTFOLIO WEBSITE:

https://forrest-jones.github.io/Forrest-Jones-Website/

THE BLESSING MACHINE:

https://github.com/Forrest-Jones/tbm : Code can be reviewed here.

The Blessing Machine (TBM) is a groundbreaking 501(c)3 non-profit donation platform designed to revolutionize fundraising and endowment management for Christian non-profit groups, harnessing AI and machine learning for maintenance tasks, streamlining the process, and fostering user-friendly experiences, ultimately promoting long-term sustainability and growth for these organizations.

- 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/Forrest-Jones/ROAM : Code can be reviewed here.

ROAM is a user-friendly website service enabling event organizers to book entertainment venues and bands, while also allowing venue owners and bands to showcase their services and 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/Forrest-Jones/Space-Exploration-CLI-Version-3.0 : Code can be reviewed here.

CLI mock-up for space industry client, showcasing team's ability to integrate higher-order math in a Python/SQL-based simple CLI container.

- Application 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/Forrest-Jones/Cryptocurrency-Portfolio-Tracker : Code can be reviewed here.

Comprehensive crypto portfolio tracking app, demonstrating real-time data handling, complex calculations, and user-friendly interface for a client (name confidential).

- Created a JavaScript/React app for managing cryptocurrency investments, featuring real-time data integration from exchanges via APIs and asset tracking functionality.
- Incorporated advanced analytics, such as historical price charts and profit/loss calculations, for informed investment decisions.
- Employed secure storage for user data and CSS styling, maintaining privacy and reliability while converting to RESTful state for proprietary compliance.

PROFESSIONAL EXPERIENCE

Furious Inc.,(Remote)   Houston, TX
Software Engineer   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)   New York, NY
Solidity Software Engineer   June 2022-Present(1099)

- Serve as a Vice President in an as needed consultancy capacity. I specialize in fintech services to other companies that focus on developing and deploying decentralized blockchain products and applications..
- Full Stack Web Development is employed, JavaScript, React, Angular, TypeScript, Python, Flask, Django, SQL, CSS, as well as Solidity for Ethereum based smart contracts.
- Lead a small development team during the deployment of blockchain business products and applications utilizing Agile SCRUM methodologies (SCRUM Master Certification pending).

Merrill Lynch, Pierce, Fenner,and Smith Incorporated, (Hybrid- Remote)   Houston, TX
Certified Hedge Fund Professional   (December, 2018 - June, 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.

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.