RENA THOMAS

FULLSTACK SOFTWARE ENGINEER

United States

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ABOUT ME

Fullstack software engineer, with abilities to transform ideas and needs into production-ready deliverables, adept at orchestrating cross-functional teams and fueling growth.

EDUCATION

MA IN COMPUTER SCIENCE

Ben Gurion University / Be'er Sheba / 2017

BA IN MATHEMATICS & PHYSICS

Yeshiva University / New York / 2015

SKILLS

- WEB DEVELOPMENT (VUE, ANGULAR, REACT, NEXT JS)
- MOBILE DEV (REACT NATIVE)
- JAVASCRIPT (TYPESCRIPT)
- TAILWIND CSS & UI
- JAVA (SPRING BOOT & HIBERNATE)
- PYTHON (FLASK, DJANGO)
- PAYMENTS INTEGRATION & PROCESSING (STRIPE & CRYPTO)
- MICROSERVICES & OOP
- ARCHITECTURE DESIGN
- POSTGRESQL
- MONGODB
- MYSQL
- AWS CLOUD
- DEVOPS
- SDLC
- EXPRESS JS
- ANGULAR JS
- SQL
- SOLIDITY
- SMART CONTRACTS
- BLOCKCHAIN DEVELOPMENT

WORK EXPERIENCE

SELF
Remote (100%)
Aug 2023 - Present

Freelance

- Developed an end-to-end solution for an eco-friendly blog site using MongoDB, React, and Node.js.
- Implemented AI-driven features for enhanced user engagement and content personalization.
- Designed and built a large-scale bus booking platform for groups, integrating complex booking scenarios.
- Advised off-shore companies on technology stack choices and architecture decisions, providing insights into modern best practices.
- Provided expertise in blockchain development and Solidity smart contracts, ensuring secure and transparent transactions.
- Created responsive and intuitive user interfaces utilizing modern frameworks like Next.js and Tailwind CSS.
- Developed various projects with React, Angular, JavaScript, and TypeScript, integrating different databases.
- Built scalable backend systems using Next.js, Prisma, MySQL, and REST APIs, ensuring high performance and reliability.
- Rapidly built MVPs from scratch, tailored to specific business needs, emphasizing quick and efficient delivery.

VEGANNATION SERVICES LTD.
Remote (80%)
Aug 2018 - Aug 2023

CTO & Co-Founder

- Spearheaded the development and execution of the VeganNation ecosystem in sustainability, utilizing React Native, React JS, Node JS, Python with Flask, and MongoDB.
- Architected and deployed the core technical infrastructure for scalability and robust security measures.
- Engineered and launched ERC-20 smart contracts for the GRNC Token on the Ethereum blockchain, integrating them across diverse exchanges.
- Implemented cryptocurrency payments and developed blockchain-enabled smart contracts for secure, transparent transactions.
- Integrated payment gateways such as Stripe and various local solutions to optimize transaction efficiency.
- Utilized agile methodologies and Jira for streamlined project management while mentoring a dynamic development team.
- Continuously refined development strategies to boost productivity, collaboration, and code quality.
- Implemented rigorous continuous deployment practices and automated testing to streamline development processes.
- Led DevOps operations with expertise in IBM and AWS platforms, ensuring seamless deployment and operation of technical infrastructure.

J.P. MORGAN CHASE & CO.
New York
May 2016 - Jul 2018

Software Engineer

- Provided technical support for the Investment Bank's Athena platform for real-time analytics and trading with Perl as main stack.
- Worked on system maintenance, performance optimization, and data processing for high-frequency trading data with mostly Perl and Python as the main stacks.
- Developed and deployed applications for high-net-worth clients, using Angular and Java (Spring Boot & Hibernate), to streamline client interactions, integrating financial data and proprietary systems.
- Implemented the new U.S. laws and regulations for KYC and Fiduciary laws, impacting wealth management operations across the bank, including system modifications and processes to meet compliance requirements.
- Implemented continuous integration, automation tools, continuous deployment, and test automation using Jenkins, Docker, and Kubernetes.
- Reduced technological overhead in JPMC's initiative of "Cut-the-Tail".

TALPION FUND MANAGEMENT LP
New York
May 2015 - Sep 2015

Quantitative Analyst and Engineer

- Pricing derivatives, evaluating investment opportunities, managing portfolio risk, and improving computational accuracy using R and Python.
- Developed tools to assess investment viability of closed-end funds with custom models and data analysis tools using R.
- Developed tools to determine precise leverage levels used by funds as part of portfolio risk monitoring and reporting.

GREYSTONE & CO.
New York
Mar 2014 - Sep 2014

Analyst

- Developed tools used to assess potential real estate acquisitions with informed investment decisions and higher returns.
- Tailored tools to work with specific budgets, cash flow projections, and real estate capital market dynamics.
- Cross-platform data analysis for real estate investments' financial assumptions, market conditions, and investment rationale.

YESHIVA UNIVERSITY
New York
May 2013 - Jan 2014

Mathematical Physics Research

- Microtubule behavior analysis within cellular structures.
- Translated behaviors into classical Newtonian equations.
- Algorithm development for microtubule behavior and simulation.
- Using Mathematica environment allowed for comprehensive and data-driven exploration.

ROCKEFELLER UNIVERSITY NEUROBIOLOGY DEPARTMENT
New York
Sep 2012 - Aug 2013

Research Technologist

- Monitored and managed tools for recording, organizing, and analyzing critical research data.
- Oversaw data management systems of valuable research findings.
- Optimized recording processes throughout experimental lifecycles.

STANFORD UNIVERSITY
Palo Alto
May 2012 - Sep 2012

Oncology/Hematology Department Research

- Data monitoring and analysis generated by new and evolving cancer treatment tools for patients.
- Recorded computational outliers and anomalies, refining accuracy and effectiveness of diagnosing and cancer treatment.
- Probe design and testing of ddPCR technology for mutation detection.