

TARREN HASSMAN

Senior Software Engineer | Web | Mobile

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EXPERIENCE

Senior Software Engineer

08/2023 - Present

Nomnomicon

Los Angeles, CA

- Developed an admin panel for comprehensive management of product and company information, enhancing operational efficiency.
- Implemented Firebase authentication for secure admin access, ensuring robust security protocols.
- Integrated Stripe Connect for seamless white-label payment processing, providing a reliable and scalable payment solution.
- Utilized Google Maps API for precise address validation and geolocation retrieval, improving data accuracy and user experience.
- Engineered in-person payment functionality for iPhone using Swift and Stripe Terminal, enabling NFC card payments and modernizing the transaction process.
- Implemented a barcode scanner and integrated OpenFoodFacts API for inventory tracking and nutrition panel generation, optimizing product management and compliance.
- Built and deployed a Flask Docker container to host a Flutter web application on subdomains, ensuring flexible and scalable application deployment.

Senior Software Engineer

08/2023 - 04/2024

Mystic Market

Los Angeles, CA

- Developed Solidity smart contracts for Account Abstraction and Token Bound Accounts, managing character and world inventories/data.
- Implemented batch transfers and locks for an NFT trading/bartering system.
- Led international collaborations to create customizable 3D templates for an athletic apparel brand, producing 3D NFT counterparts to real-world clothing items.
- Integrated decentralized level save features using Unity and IPFS, enhancing 3D asset management and load performance.
- Architected a distributed off-ramp crypto system using Stripe Connect and Chainlink functions.
- Utilized Stripe Connect Terminal for accepting non-crypto payments in person and Treasury for issuing debit cards for US currency payments off-ramped from crypto.
- Implemented multiplayer functionalities using Unity's Lobby and Relay.
- Developed CI/CD Bash scripts for deploying Unity builds to IPFS and traditional websites.
- Converted NoSQL database to a decentralized P2P system for propagating IPFS CIDs through a Social Graph concept.

Software Developer

03/2022 - 08/2023

Wavsys

Seattle, WA

- Enhanced the data scientist experience by adding a context menu, improving usability and workflow efficiency.
- Pioneered the deployment of an experimental AWS Redshift cluster at Capital Group, driving innovation in data processing and analytics.
- Utilized Elastic Load Balancer for auto-scaling in EC2 servers, ensuring reliable and scalable server management.
- Applied extensive knowledge in Spark internals for job optimizations, effectively handling terabytes of data and improving processing efficiency.
- Coordinated with the SCRUM team to deliver agreed user stories on time for every sprint, ensuring consistent and timely project progress.
- Saved approximately \$750K in licensing costs by building a filter for compressed files, demonstrating cost-effective problem-solving skills.

SUMMARY

Experienced Software Engineer with a robust background in the computer software industry. Proficient in Flutter, Python, and JavaScript / TypeScript frameworks including React, Angular, and Vue. Adept at leveraging Linux, AWS Lambdas, GCP Cloud Run and Build, Firebase, and Git for developing scalable and efficient solutions. Demonstrates strong capabilities in business development, backed by a Bachelor of Science in Computer Science from New York University - Polytechnic School of Engineering.

SKILLS

Javascript/Typescript · Go · C# ·
C++ · Python · Kotlin · Java · Node.js ·
React · React Native · Vue · Flutter ·
Blockchain(Solidity) · Swift · AWS ·
Google Cloud Platform · Docker ·
Firebase · Redshift · iOS · Android ·
RESTful API · GraphQL · JSON ·
MySQL · MongoDB · MS SQL · SQLite ·
PostgreSQL · Postman · Git · CI/CD ·
DevOps · Google Maps · Stripe ·
Paypal · Twilio

EDUCATION

Health Supportive Culinary Arts

Institute of Culinary Education
06/2019 - 03/2020 Los Angeles, CA

Bachelors of Computer Science

NYU Tandon School of Engineering

08/2014 - 03/2017
Brooklyn Park, NY

LANGUAGES

English Native

EXPERIENCE

Software Developer

10/2021 - 03/2022

Qubit Marketing

Wellington, FL

- Resolved multiple software bugs, enhancing system stability and performance.
- Created comprehensive documentation for a new component design system using Storybook, facilitating developer onboarding and educating staff on the updated system.
- Analyzed the MVC architecture of the code to identify sub-optimized and dead code, improving code quality and maintainability.
- Refactored the codebase to reduce cognitive load, cyclomatic complexity, and lines of code, streamlining development processes.
- Uploaded source code, unit tests, and test scripts for review, making necessary changes based on feedback to ensure code quality and functionality.

Full Stack Developer

12/2021 - 01/2022

Confidential

Los Angeles, CA

- Designed real-time charting software for EKG, visualizing data from a prototype device to provide clear and actionable insights.
- Troubleshooted the prototype device to ensure the reception of valid data, improving reliability and accuracy.
- Initiated the approval and validation process for Apple App Store submission, ensuring compliance and readiness for market release.
- Developed FFI for Kotlin-based Bluetooth Low Energy implementation to read data from a BLE medical device, enabling seamless data acquisition and integration.

Founder/CTO

06/2015 - 06/2023

Rendezvous

Los Angeles, CA

- Increased application latency by 5x through performance tuning and REST API optimization, significantly enhancing user experience.
- Developed and optimized databases using SQLite, MS SQL, and PostgreSQL, generating comprehensive pattern reports for data analysis.
- Conducted ETL and analytics on MySQL databases and began architecting Redis caching for improved efficiency.
- Built and packaged a web platform using React, Node.js, and Webpack, and refactored the backend for scalability using Go.
- Designed intuitive UI/UX wireframes and utilized technologies like Gin, Mux, and GORM to optimize server and client-side performance.
- Ensured application robustness and scalability by deploying on Heroku, GCP, and AWS, and implemented key features such as push notifications and automated booking.

Software Developer

10/2017 - 11/2017

8Net

City of Industry, CA

- Designed and built a frequent customer app using Android SDK, enhancing customer engagement and loyalty.
- Implemented an email server within the application to integrate seamlessly with the legacy invoicing system.
- Initiated migration from Magento 1 to Magento 2, navigating and documenting the new framework during its early stages.
- Developed a prototype Flask website to facilitate potential migration from Magento, aligning with plans for a new warehouse management system.
- Began development on a new product management system for the warehouse, improving inventory and operational efficiency.