ALFREDO MORALES

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SKILLS

Languages: Typescript, JavaScript, C++, SQL, Java, Python
Databases: PostgreSQL, MySQL, MongoDb
CI/CD: Render, S3, RDS, Vercel, Heroku

Frameworks/Env: React/React Native, Node.js, Next.js, Express, Redux, Mobx, Zustand, Tailwind, Material-UI, Bootstrap, Figma, Recharts, FullStory

WORK EXPERIENCE

TracFlo - Series seed startup, construction fintech   New York, NY

Fullstack Software Engineer II   **Sep 2023 – Present**
- Lead the development, and successful deployment of client facing tools, within the company's web and mobile application, which resulted in enhancing user engagement by 35%, as measured by a significant uptick in average session duration and active users, verified with FullStory.
- Led the development of a daily production log and creation process that improved user engagement by 20% leading to a 15% increase in customer retention. Led planning, design, and delivery while collaborating with stakeholders to align business and execution goals
- Delegated tasks and apply agile/scrum principles to efficiently break down work, ensuring effective sprint cycles and on-time software product delivery.

Fullstack Software Engineer I   **Jan 2022 – Aug 2023**
- Worked with stakeholders to identify, fill gaps in dev requirements, and meet the needs of users in the construction management industry, while collaborating with a team of 3 developers to build high-performance, scalable full-stack web and mobile applications.
- Developed features and spikes in collaboration with UX designers and product managers throughout the entire rebuilding process of the main web application, engaging with client/stakeholders, overseeing design and wireframe creation.
- Led the end-to-end development and deployment of robust API endpoints using Typescript and Node.js, collaborating cross-functionally to design RESTful architectures. Implemented scalable solutions, optimizing data retrieval and system performance, while ensuring comprehensive documentation and adherence to security protocols.
- Created comprehensive end to end integration test suites to validate functionality, cover edge cases and ensure the reliability and accuracy of the system.

Frontend Software Engineering Intern   **Jun 2021 – Dec 2021**
- Redesigned and developed TracFlo's landing website using React.js which increased monthly active users by 100% and lowered bounce rate by 18%
- Rewrote primary web application to meet modern development standards and approaches.
- Actively participated in team stand-ups, peer code reviews, and achieved a decrease in deployment time through optimized Git workflow.

PROJECTS

Earworm   **Jan 2021 – May 2021**
- Implemented a music visualization and exploration tool based on Billboard's Year-End charts from 1970-2020 which provides album overviews and data visualization for understanding the development of music trends over time.
- Designed and developed the user interface using React.js as well as Recharts and Tailwind to display data and information in a fluid and pleasing manner.

CunyHub   **Sep 2020 – Dec 2020**
- Developed a web application which provides CUNY related information to incoming or enrolled CUNY students using R Shiny for front end, with a MySQL backend.
- Implemented MySQL to query the normalized data and find relevant information to display and for comparisons.

CERTIFICATES

In the Lab Product Management, *Product Manager Apprentice*   **Aug 2023 – Present**
- Developed the mvp of a traveler application designed to facilitate storage and delivery of luggage for tourists. Analyzed the problem space by doing primary market research including interviews and competitor overview.
- Created a Figma prototype and deployed the mobile app using Bravo Vision.

EDUCATION

Hunter College, City University of New York (CUNY)   New York, NY
Bachelor of Arts in Computer Science   **May 2021**