DYLAN SILVA

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Skills: Full-Stack Development, PostgreSQL, Flask, AWS, Python, Javascript, Docker, React, Front-End Development

Professional Experience

Nisum Technologies, Bay Area, CA   Jul 2022 – Nov 2022
Associate Software Engineer
- Developed a demo e-commerce web application utilizing **React** hooks and **Tailwind CSS** to modularize components leading to a 15% increase in page load time . **API routes** were tested using selenium with python.
- Coordinated meetings between engineers from 5 teams to design the **Apache Kafka** architecture and **MySQL** relational database schema for a system featuring 12 tables, resulting in a snowflake deployed database to scale the database up to 100,000 entries.
- Collaborated with domestic and international product managers using **agile methodology** in two week long sprints to delegate story points for 50 features delivering a viable product in an organized and efficient manner that translated to a delivery time 20% faster than expected.

Education & Service

App Academy   Aug 2021 - March 2022
- Rigorous 1000-hour software development course with <3% acceptance rate.
- Topics include: Data Structures, Algorithms, REST, Docker, React, React-Redux, Web Frameworks, Security, Authentication, Web Design, PostgreSQL, Flask, Cloud Storage.

University of Texas at Austin   Aug 2017 - May 2021
B.S. in Economics, Minors in Business & Mathematics

Society of Professional Hispanic Engineers Member (Silicon Valley Chapter)

Projects

Red Riding Hood (**React**, **React-Redux**, **Flask**, **Yahoo Finance API**)   **[Github](#)**

Web application inspired by Robinhood; users can buy stocks and create watchlists for stocks.
- Created **React** hooks to perform user authorization checks and redirect users based on validity of credentials.
- Built a normalized **Redux** store to optimize performance, reduce backend server load, and handle changes in state.
- Engineered a robust backend environment using **Flask**. Created relational tables using **PostgreSQL** and abstracted database queries from **REST API** routes into a service layer to separate concerns and improve code maintainability.

Plantstagram (**React, React-Redux**, **Flask, PostgreSQL, Docker**)   **[Github](#)**

Web application inspired by Instagram; users can follow each other, post pictures, like and comment on posts, and change their profile page.
- Implemented a news feed and profile pages with modular, styled React components so that users can enjoy seamless cohesion from the different features.
- Handled image uploading via **Firebase** remote storage to make adding local photos more user-friendly.
- Created many to many database relationships using Flask and PostgreSQL allowing linear query times.

Hobbies & Interests

Gaming: I have just started collecting board games, but I also love to play Teamfight Tactics and League of Legends in my free time. Ask me about the 2022 LOL World Finals!

Music: I'm still a band kid at heart who always seeks out live music. I played the drums for 8 years, but now I enjoy producing music.

Nature: Whether it's staring up at the redwoods, digging my feet in warm sand at the beach, or catching my breath on a hill after a hike, I love connecting with the planet. Sustainability is important to me, so I also enjoy volunteering for park clean-ups.