Jovani Casarrubias

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PROFESSIONAL EXPERIENCE

Pentair** (Water Treatment Manufacturer)*　　　　　　　　　　　　　　　　　　***Remote
Mobile App Developer　　　　　　　　　　　　　　　　　　　　　　　　　*Oct 2022-April 2024*

- Collaborated with a team to seamlessly migrate IntelliCenter, a leading pool automation platform, to a React Native hybrid codebase app, ultimately integrating it into the Pentair Home app. Ensured flawless functionality across iOS and Android platforms, while also spearheading feature redesigns and introducing new ones. Successfully migrated over 200k+ users with ongoing increases in migration rates.
- Employed Jira for effective ticket management, utilized Scrum methodologies for agile development, and used Confluence to maintain comprehensive documentation, ensuring efficient tracking and development.
- Leveraged Redux for global state management, Jest for unit testing, Redux-Saga for API interactions, SonarQube for ensuring code quality, and employed an AWS CodeCommit pipeline for continuous integration and deployment and entrusting CodeArtifact with managing our components repository.
- Developed test automation and unit testing frameworks for product validation with end-to-end testing, executed Sprints within established timelines
- Emphasized performance optimization by architecting efficient handling of WebSocket responses and updates to Redux, while spearheading the development of new UI components.

KwickPOS** (Cloud-based restaurant POS software company)*　　　　　　　　　***Spring, TX
Full-Stack Software Developer　　　　　　　　　　　　　　　　　　　　　*May 2021-June 2022*

- Designed and executed a Reservation and Waitlist Web App using React for the frontend, PHP for the backend, acquiring 20+ enterprise clients.
- Played a pivotal role in developing and sustaining a cross-platform mobile application via React Native.
- Streamlined QA testing for Kwickmenu, a digital food ordering platform, pinpointing vulnerabilities and optimizing the user interface.
- Developed unit tests utilizing Jest and React Testing Library to achieve comprehensive test coverage.
- Enhanced app localization by integrating multiple languages support across all components.
- Implemented a robust CI/CD pipeline utilizing Jenkins and SVN, enabling accelerated product iterations and seamless deployment processes.

PROJECTS

Workout Stats Mobile App (iOS/Android)　　　　　　　　　　　　　　　　　　***Ongoing***

- Developed the "Workout Stats" application, enabling users to monitor their exercise routines and visually analyze their progress through graphs.
- Leveraged SQLite for offline functionality and integrated open-source libraries to expedite development.

Personal Website (React)

- Launched a static portfolio website using React.js on AWS EC2 and linked it to a custom domain.
- Containerized and hosted the application on DockerHub for seamless deployment.

SKILLS

- **Programming Languages:** JavaScript, Swift, Python, TypeScript, C++, Php, Matlab
- **Technologies:** ReactNative, React.js, Redux, WebSockets, Express.js, Node.js, RESTful and SOAP services
- **Software:** Jira, Confluence, SonarQube, Jenkins, AWS, CodeCommit, Mysql, NoSQL, Xcode, GIT, SVN
- **Spoken languages:** English (fluent) and Spanish (fluent)

EDUCATION

University of Houston - Natural Science & Mathematics
　　　Bachelor of Science in Computer Science

ACTIVITIES & INTERESTS

***Linguistic Justice League** (React Native Developer)*　　　　　　　　　　　*Sep 2022- present*
Linguistics Justice League is a non-profit organization supporting low resource language learners.
3D Printing, Drone Flying, Brazilian Jiu-Jitsu and Hiking: Enjoying these hobbies in my free time