

MICHAEL CARVAJAL

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SKILLS

Skills: React.js, JavaScript, Python, Flutter, AWS, Git, HTML/CSS, SQL, Web Development, Mobile, Tailwind, Selenium, Express.js, Node.js, REST APIs

PROFESSIONAL EXPERIENCE

Ultra Golf Pro

Frontend Software Engineer

New York, NY, USA

February 2024 - Present

- Technologies: Flutter, Flask, Python, Google Authentication, Material Design, BitBucket
- Developed a user-friendly app interface using Flutter, achieving a 25% reduction in app loading time, and incorporating Google login functionality to enhance user experience and streamline authentication processes.
- Implemented Material Design widgets to ensure consistent and visually appealing UI across the application, prioritizing efficiency and ease of development.
- Utilized Flask as a backend server coupled with a PostgreSQL database to efficiently manage data and support seamless interaction between the frontend and backend components of the app.
- Designed and integrated various workflow pages such as the Fire Up Page, Login Page, User Info Page, and Select Course Page, ensuring intuitive navigation and smooth user interactions throughout the application.

Mioym Equities

Lead Software Engineer

White Plains, NY, USA

October 2023 - February 2024

- Technologies: Node.js, Express.js, Restful API, React, PostgreSQL, AWS/EC2/RDS/S3, Puppeteer, UI/UX.
- Developed and maintained an internal data scraping tool that leveraged Puppeteer and third-party APIs to extract valuable property insights and exclusive house value estimates for employees, resulting in a 30% increase in lead generation efficiency.
- Orchestrated and managed multiple servers on AWS for seamless communication and dynamic data presentation, using React for frontend and Express.js/Node.js for backend.
- Implemented robust database management solutions using PostgreSQL on RDS in AWS, ensuring efficient storage and organization of scraped data for easy access and analysis by employees.
- Utilized S3 buckets within AWS to store and manage images and database backups, ensuring data integrity, accessibility, and scalability for the internal tool designed to find leads and place offers with real estate agents. This reduced data retrieval time by 15%.

Freelance

Software Developer

Remote

May 2023 - Present

- Procured clients and negotiated agreements on web design projects, accommodating diverse clientele including artists, local businesses, and software startups.
- Leveraged React alongside Tailwind CSS to develop captivating and modern websites, ensuring both aesthetic appeal and optimal user experience.
- Actively engaged in bi-weekly stand-up meetings, fostering collaboration and ensuring alignment of development efforts with team objectives.

PROJECTS & OUTSIDE EXPERIENCE

Jamify

Software Engineer

June 2023 - Present

- Technologies: React / Redux, PostgreSQL, Python, Flask, HTML5, CSS3, Adobe Photoshop, Selenium, AWS, API, UI/UX
- Engineered a replica of UltimateGuitar.com, leveraging React, HTML5, and CSS3 for intuitive front-end development.
- I used Redux to manage state and dispatch actions for displaying the proper data, such as audio files or user information.
- Orchestrated the back end with Flask, a Python web framework, to handle user authentication, data storage, and API integration.
- Utilized Selenium to execute web scraping of UltimateGuitar.com, securing seed data for the project.
- Employed AWS to securely store and facilitate sharing user audio files labeled as "Demos" among multiple users.
- [Link to project](#)

EDUCATION

App Academy

Bootcamp, Software Engineering

January 2023 - July 2023

- Completed immersive software development program with an emphasis on full-stack web development.
- Proficiently harnessed the power of JavaScript and Python to tackle complex challenges, craft well-structured code, and apply computer science principles to excel as a skilled engineer.