Michael Carvajal

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Summary

Skilled in using React, RESTful APIs, and a variety of modern technologies to build web and mobile applications. Proven track record in the Real Estate and Auto industries, delivering solutions that enhance data accuracy and user experience.

Experience

Mavis Tire

Software Developer   Nov '23 - Present

· Utilized Electron, React.js, and Node.js to create the Hybrid Order System, leading to 80% faster tire order processing times compared to manual data entry methods.
· Achieved a 40% increase in web scraping efficiency by integrating the Javascript library Playwright to automate data extraction and streamline navigation on multiple tire vendor websites.
· The automated features decrease the employee's cognitive load by 50% and boosted daily sourcing efficiency from 40 to 100.
· Boosted order accuracy by implementing an intuitive design, resulting in a 99% decrease in human errors.

Ultra Golf Pro

Frontend Software Engineer   Jan '24 - Present

· Ultra Golf Pro is a mobile application that enhances the tournament by allowing users to monitor and store their scores.
· Maximized app performance by minimizing loading time by 25% through the creation of a user-friendly interface with Flutter.
· Leveraged Flask and PostgreSQL to optimize the interaction between frontend and backend components, resulting in a 20% improvement in system responsiveness and data retrieval efficiency.
· Streamlined authentication processes and upgraded user experience by integrating Google login functionality.
· Oversaw code versioning and collaboration using BitBucket.

Mioym Equities

Lead Software Engineer   Sep '23 - Jan '24

· 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, culminating in a 30% improvement in lead generation efficiency.
· Applied React for frontend and Express.js/Node.js for the backend to manage multiple servers on AWS, culminating in a 10% reduction in server maintenance costs.
· Optimized data storage efficiency by implementing PostgreSQL on RDS in AWS, leading to a 10% decrease in storage costs.
· Increased data management efficiency by 15% by introducing AWS S3 buckets to store and organize images and database backup.

Education

App Academy   Jun '23

Engineer's Degree | Bootcamp, Software Engineering

Skills

AWS · RESTful APIs · Git · HTML · Javascript · CSS · Node.js · PostgreSQL · Python · React · SQL · React Native · EC2 · TypeScript · Tailwind · Full Stack Development · Web & Mobile · Microservices · Flask-SQLAlchemy