Carl Molina

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Full stack engineer with a background in autonomous vehicle operations, transitioning to pursue a career in software engineering. Proven track record of delivering high-quality projects from prototyping to deployment. Committed to continuous learning and growth. I am excited to apply my operational expertise, leadership and collaborative experiences, and strong communication skills to make a positive, lasting impact in the tech industry.

SKILLS

Programming Languages | JavaScript, Python, TypeScript, SQL, HTML5, CSS3, SCSS, Markdown
Frameworks / Tools | React, React Native, Flask, Node, Express, S3, PostgreSQL, Bootstrap, Jest, Vite, Jira, Git

EXPERIENCE

RITHM SCHOOL — Feb 2024
Full Stack Engineer Intern — *Remote*
- Developed Numbers API v2 mobile app prototype using React Native, letting users generate number facts
- Conducted comprehensive testing w/ Selenium while augmenting backend testing to maintain 98% coverage
- Implemented stretch goals/advanced features like generating facts on shake using Expo Accelerometer
- Produced high-fidelity mockups of homepage and mobile app designs using Figma w/ emphasis on UI/UX
- Engaged in collaborative pair programming sprints and daily stand-ups to ensure organized sprint planning

KETT ENGINEERING — May 2018 – May 2023
Field Operator Specialist III — *Santa Clara, CA*
- Served as Calibrations and Sensor Health DRI for autonomous vehicle operations in high-impact setting
- Managed team of driver-operators, facilitating optimal use of labor allocation, following SOPs, and encouraging best practices, resulting in higher team retention rates, increased overall technical/product knowledge and productivity by 150%, and decreased human operator error to less than 10%
- Consistently completed high-volume calibration sprints, delivering and meeting client goals above expectations, and pushing overall project readiness ahead of schedule in high-profile scenarios
- Increased average output of full systems calibration merges from 2 vehicles/day to 4 vehicles/day
- Collaborated closely w/ engineers, project managers, and external stakeholders to expedite test requests, R&D, and internal program processes including onboarding, training, and cross-team communication

TECHNICAL PROJECTS

Jobly | Live Demo | Github — Jan 2024 - Feb 2024
- Developed full-stack web app enabling companies to post job listings, letting users browse and apply to jobs
- Utilized React and Express frameworks to build both the frontend components and backend RESTful APIs
- Enhanced security measures and proper error handling using tools like Bcrypt, jsonschema, and JWTs

Pixly | Live Demo | Github — Jan 2024 - Feb 2024
- Developed image app enabling users to upload/view image files, complete w/ filtered search functionality
- Utilized AWS S3 to efficiently store and retrieve image files, ensuring seamless access and scalability

Plant App | Live Demo | Github — Dec 2023
- Leveraged the free Perenual API plan to provide comprehensive plant details while gracefully handling blocked premium features for uninterrupted user access to essential available information
- Implemented data storage and management in a PostgreSQL database, ensuring reliable and scalable data handling for single-user bookmarks while utilizing Axios API for seamless integration and bookmark retrieval

EDUCATION

Rithm School Full Stack Software Engineer Program — Mar 2024
Associate of Science in Computer Science | De Anza College | *Cupertino, CA* — Dec 2019
- GPA: 3.79, Developers Guild, CompTechS Intern, Phi Theta Kappa Honor Society

Bachelor of Arts in Screenwriting | Loyola Marymount University | *Los Angeles, CA* — May 2016