Max Campos

Software Engineer

Summary

Driven by relentless curiosity and a commitment to problem-solving, I am a software engineer dedicated to solving the greatest challenges of my generation dealing with water. Proven track record of managing projects and leading multidisciplinary teams. Focused on innovating software solutions for water systems operations across the public and private sectors. As a bilingual software engineer, I'm looking to bring my diverse set of skills to a company with global reach.

Work Experience

Software Engineer at Arroyo Solutions | Freelance | September 2024 - Current

- Develop and implement custom web applications for different small and medium business clients, using Node.js, and React, by developing scope, budgets and delivery proposals.
- Consult on search engine optimization (SEO), increasing web visibility by 50% for clients, following a semantic software design focused on web accessibility.

Software Engineer at 100devs | Remote | January 2023 – Current

- Developed technical specification documents to ensure the successful launch of three projects built with React, MongoDB, and Express as a framework for Node.js.
- Built full-stack applications using MVC architecture, reducing load times by 60% and improving user experience, implement RESTful APIs with Node.js.
- Delivered professional development lectures on MVC architecture to reinforce structure programming concepts, leading to successful MVC implementation of key projects.

Hydrologist at Tucson Water | Tucson, AZ | October 2018 - September 2024

- Delivered annual water use reports of water operations to City of Tucson Directors and state regulators (ADWR/ADEQ), recording 33% savings of annual imported river water for future use, by leveraging custom-built Object-Oriented Programming (OOP) software to track water extraction of 300+ wells and delivery for 700,000+ customers.
- Established project communication strategies that raised 2.5 million dollars from state & federal regulators, awarded by the Water Infrastructure Finance Authority of Arizona and EPA, by writing grants, creating documentation, and developing spending budgets. The funds will be used to expand a recycled water recharge facility to save water for the future.
- Oversaw the artificial recharge of 2.6 billion gallons of recycled water for the Tucson aquifer, measured by monthly/quarterly/annual regulatory reporting to state agencies (ADEQ), by keeping a clean regulatory compliance record through the use of best practices of managed aquifer recharge (MAR).

Recent Project: Well Sampler Application

- Full-stack application built with React, Node.js, Express and MongoDB to track, calculate, and log well sampling data. Reducing 90% of manual errors and optimizing workflow for regulatory reporting.

Contact

+1 (520) 609-9180

mcampos2a@gmail.com

https://mcamposa.netlify.app

linkedin.com/in/maxCA117

Skills

Languages: JavaScript, Python, HTML, CSS, BASIC

Frameworks: Express.js, Django

Data Bases: PostgreSQL, MongoDB

Tools: Node.js, React, GraphQL, Git, GitHub

Arquitecure: MVC, OOP, CI/CD, Web Accessibility

Education

University of Arizona

Hydrology and Water Resources | Class of 2016

Interests

Playing sand volleyball

Reading fantasy novels

Learning Japanese