

Arlette Olalde Flores

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Skills

Languages: JavaScript, TypeScript, HTML/CSS, Python, Java, C

Tools & Technologies: React, Redux, MUI, Node.js, Express, REST APIs, Vitest, Jest, Playwright, MongoDB, DocDB, Studio3T, Postman, Git, TDD, CI/CD, Agile/Scrum methodologies, Figma, Jira, Next.js, Flask, Django, GraphQL, Apollo, Docker, AWS, DataDog, Azure

Experience

Full Stack Developer | *Veteran Benefits Guide* March 2022 - July 2024

- Developed and maintained critical features on multiple custom web apps that optimize the process for over 20,000 disabled veterans to receive higher disability ratings
- Implemented accessible, responsive, and intuitive UI geared towards disabled U.S. veterans, internal users, and doctors, resulting in a 30% increase in user satisfaction
- Provisioned AWS services such as EC2, S3, Cognito, and Lambda to ensure low cost, high performance, and efficient resource management for a SaaS application
- Assisted DevOps engineer with containerization of application using Docker and AWS ECS
- Established efficient connections between internal app backends, SugarCRM, and external databases to enhance overall performance and user experience
- Derived test cases for frontend and backend components of web apps with Playwright and Jest testing frameworks ensuring 85% less bugs deployed to production
- Facilitated Agile meetings (sprint planning, retrospectives, daily stand-ups) for a cross-functional team of 8
- Documented and updated developmental processes for incoming developers to follow

Technologies used: MERN stack (MongoDB, Express, React, Node.js), AWS, Docker

Personal Projects

LaundroMapp | *Web Application* | [Live Site](#) 2024

- Designed and developed a website where users can view availability of washers and dryers, reserve machines, and check remaining time on their machines in use
- Set up a database to track coupons, deliveries, and work orders in MongoDB

Technologies used: Next.js, React, MUI, MongoDB, AWS Amplify

JapanEZ | *Web Application* 2024

- Facilitated the learning of the three different Japanese alphabets allowing users to practice writing, listening, and test their knowledge
- Managed storage of sample questions and language data in Amazon S3 buckets to ensure scalability and durability of data

Technologies used: React, Redux, MUI, AWS S3

Education

California Polytechnic State University, San Luis Obispo June 2021

B.Sc. in Computer Engineering

Supplemental

- Volunteer judge for K-12 VEX robotics competitions hosted by Sweetwater Union High School District since 2022