



JUAN FERNANDO LOZOYA VALDEZ

FULL STACK DEVELOPER

SKILLS

- **Frontend:** Vue, Angular, React, React Native, JavaScript, Typescript, HTML5, CSS3, Tailwind, Bootstrap
- **Backend:** Node.js, Python (Django, Flask), SQL, PostgreSQL, RESTful APIs, GraphQL, GCP, AWS
- **Tools:** AWS, Git, Docker, Webpack, Jira, CI/CD pipelines, Redux, Context API, Figma, Git Flow, Jest, RTL
- **Other:** Agile development, Scrum, Kanban, Cross-functional collaboration, Prompt engineering

LANGUAGES

- English (C1)
- Spanish (Native)



PROFILE

Computer Systems Engineer with 7+ years of experience delivering scalable web solutions for Silicon Valley companies. Specialized in full-stack JavaScript (Vue, Node.js), with a proven record of improving product performance, usability, and reliability. Experienced in leading distributed teams and driving innovation in test automation and user interaction technologies.



EXPERIENCE

Functionize

Full stack developer

SEP 2019 - SEP 2025

- Migrated legacy code from PHP/Smarty to a modern stack using Vue with TypeScript on the front end and Node.js on the back end.
- Developed and maintained core features of an AI-driven testing platform using Vue with TypeScript, enhancing state management through Redux to improve performance, scalability, and responsive design.
- Collaborated with globally distributed teams to enhance UI/UX, improve frontend responsiveness, and align with product goals.
- Maintained and optimized the backend architecture using Node.js and Flask, refactoring legacy APIs, improving data handling efficiency, and implementing caching and monitoring solutions to enhance overall system performance, enabling seamless data delivery from AWS S3 and PostgreSQL databases.
- Built Architect, a powerful Chrome extension that automatically records user interactions across websites for test automation.
- Dockerized and implemented Git Flow across multiple repositories to automate the delivery of key system components, significantly improving deployment speed and reliability.
- Built and maintained RESTful API using Node.js, enabling full lifecycle external management (create, read, update, delete) of AWS Lambda functions.
- Developed and integrated an automated solution for file management operations on AWS S3 using Node.js.
- Developed and integrated a solution to automate Google Cloud Functions operations.
- Administered and maintained development infrastructure on AWS EC2 and IAM.



Ventus Technology

Teach lead

DEC 2018 - SEP 2019

- Led a small team delivering a React Native app.
- Owned solution design and served as the primary contact for technical decision-making across stakeholders.

- **Freelancer**
Full stack developer JUN 2018 - DEC 2018
 - I worked on diverse projects, creating tailored web portfolios, landing pages, implementing secure payment gateways, and customizing solutions to meet each client's unique requirements using frameworks like React and Django.
 - Architected and maintained cloud-based infrastructures on AWS EC2 and Lightsail to support multiple projects.

- **CIMAV**
Resident engineer JUN 2017 - DEC 2017
 - Developed a cross-platform, semi-multitenant application for conducting field sampling of environmental pollutants using React Native, Typescript and Django.



EDUCATION

- **Bachelor of Engineering (B.E.)** 2013 - 2017
Computer Systems Engineering with mobile specialization
ITD | Durango Institute of Technology
GPA: 9.5 / 10.0