

# Jose Flores

## Summary

A Software Engineer with over 5 years of experience in full-stack development, specializing in front-end technologies. I have a proven track record in delivering innovative solutions and leading projects from conception to completion. Skilled in optimizing and refactoring legacy systems to enhance performance and scalability.

Whether leading projects or diving into legacy code, I approach each task with confidence and genuine curiosity for exploring new technologies. With an easy-going nature, I strive to create meaningful connections and foster a positive environment.

## Technical Skills

- Front-End Development: JavaScript, TypeScript, React, Angular, Vue.js
- Back-End Development: Java, Quarkus, Node, Express, Python, Ruby on Rails
- Databases: MongoDB, PostgreSQL, MySQL, Redis
- API Design: RESTful Services, GraphQL
- DevOps & Cloud Services: Docker
- CI/CD Tools: Jenkins, GitHub Actions
- Tools & Platforms: Git, Visual Studio Code, IntelliJ IDEA
- Project Management: Jira
- Unit Testing and TDD: Jest, Mocha, JUnit, Testing-Library
- Agile and Scrum Methodologies
- Secure Coding Practices

## Experience

### Availity - Frontend Developer

August 2019 - Present

- Led the front-end development of enterprise components utilized across multiple teams, significantly enhancing the application's user interface and interactivity.
- Spearheaded the refactoring of legacy MobX and React code to the latest React version utilizing hooks, integrating XState and the Context API for state management and business logic optimization. This initiative streamlined development processes, improved component reusability, and facilitated state management, contributing to a more maintainable and scalable codebase.
- Directed a major refactor to implement a configuration-driven approach for building and dynamically displaying UI components, based on backend responses. This forward-thinking strategy significantly improved UI flexibility and user experience, enabling rapid adjustments to the application interface without additional code changes, thereby reducing development time and enhancing the application's adaptability to changing business requirements.

## Get More Math - Full Stack Developer

November 2022 - October 2023

- Served as a Full Stack Developer within a lean engineering team, leading the migration of backend infrastructure from Ruby on Rails to Quarkus, enhancing system performance and scalability.
- Revitalized legacy JavaScript code for the student-facing application, integrating new features that improved engagement and learning outcomes.
- Pioneered development of innovative features for the teacher-facing UI app, focusing on usability and interactivity enhancements, while rigorously implementing unit tests to ensure reliability and functionality of new and existing features.

## Southwest Search - Frontend Developer

January 2019 - August 2019

- Contracted through Southwest Search to join Availity, I played a pivotal role in designing and implementing the reporting tools UI for management, enabling streamlined access to critical business insights. This tool significantly enhanced decision-making processes by providing dynamic, real-time reports tailored to management's needs.

## Trilogy Education - Instructor & Teaching Assistant

February 2018 - July 2020

- Served as an Instructor and Teaching Assistant for the same Web Development Bootcamp I graduated from, leveraging my expertise to guide new learners through comprehensive web development principles, including HTML, CSS, JavaScript, and React.
- Developed and delivered engaging curriculum content, conducted code reviews, and provided personalized mentorship to students, contributing to their success and understanding of full-stack development.

## **North Tarrant Express - ITS Field Systems Supervisor**

December 2018 - January 2019

- Promoted to Field Systems Supervisor at North Tarrant Express, tasked with the strategic scheduling and dispatching of technicians across multiple highway sites for maintenance and troubleshooting of traffic management equipment.
- Developed and implemented a comprehensive training program for new technicians, focusing on safety protocols, equipment operation, and troubleshooting procedures, ensuring a high level of technical expertise and safety awareness among the team.
- Oversaw the transition and operational maintenance of the system and equipment initially integrated by Kapsch, ensuring seamless continuity in system performance and reliability.
- Led a team responsible for the upkeep of critical infrastructure, enhancing system availability and minimizing downtime, thereby maintaining optimal traffic flow and safety on the highways.

## **Kapsch - Lead Field Technician**

July 2014 - August 2018

- Led a team of 5-10 technicians at Kapsch, overseeing the software integration and testing of critical traffic management devices, including radar detectors, CCTV cameras, toll rate signs, and gantry structures for express lanes.
- Coordinated with project managers and engineers to ensure timely and efficient resolution of technical issues, minimizing downtime and maintaining optimal traffic flow.
- Managed comprehensive cable terminations and precise calibration for each device, ensuring optimal performance and reliability of the

traffic management system.

- Contributed to the development and implementation of a Java-based application for central office support technicians, enabling real-time monitoring and management of highway systems. This innovative solution allowed for enhanced traffic flow, accident response, and dynamic traffic redirection based on time-of-day conditions, significantly improving roadway safety and efficiency.

## Transdyn - Junior Technician

July 2012 - July 2014

- Joined Transdyn as a Junior Technician, contributing to the system integration for New York City's wastewater management project.
- Responsible for the installation of radar detectors to monitor water levels and toxicity across various stations, playing a critical role in ensuring environmental safety and compliance.
- Led the construction of electronic panels, incorporating PLCs (Programmable Logic Controllers) and circuit breakers, which were essential for controlling and safeguarding the electrical systems involved in water management.

## Education and Certifications

### Southern Methodist University (SMU)

Web Development Bootcamp, Dallas, Texas, 2017

An intensive program covering full-stack web development, including HTML, CSS, JavaScript, and back-end technologies.

### Lincoln Tech

Electrical Systems Technician Program, Mahwah, New Jersey, 2010 - 2011

Studied low voltage wiring and electronic theory and principles. Gained experience in computer system integration and telecommunication systems. Learned about fire alarm systems and audio/video & home theater installations. Acquired skills in access control and security/surveillance systems. Explored rack systems and integration techniques.

### Continuous Learning

Actively engaged in ongoing professional development through various platforms to stay up-to-date with the latest technologies and best practices in software development.

Currently enhancing my expertise in AI through the Python Programming for AI course offered by Udacity, aiming to leverage these skills in future projects and professional endeavors.

## Personal Projects and Interests

Highly passionate about the cutting-edge fields of AI and blockchain technologies, with a keen interest in exploring how these innovations can transform industries and society.

## Contact Me

I am currently seeking new opportunities in software development and engineering. Please feel free to reach out to me if you have any questions or would like to discuss potential collaboration.

