

FELIPE JACOB GALINDO SUAREZ

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PROFESSIONAL SUMMARY

Senior Front-End Developer with 20+ years of experience designing high-quality, scalable web applications. Skilled in JavaScript, React, Angular, and TypeScript, with a strong focus on rigorous testing using Jest and automated methods. Proven ability to translate complex requirements into agile, responsive solutions that enhance public safety product performance.

TECHNICAL SKILLS

- **Backend:** JAVA Spring Boot, .NET, Node, Python
- **Frontend:** TypeScript, Angular 19, React 18, Ionic, Capacitor, HTML5, SASS, [Vue.js](#), Javascript, AJAX, GraphQL, Figma
- **Cloud Computing:** AWS S3, EC2, Lambda
- **Databases:** SQL (PostgreSQL, MySQL)
- **Business Intelligence:** Tableau, PowerBI
- **DevOps Tools:** CI/CD pipelines, Kubernetes
- **Methodologies:** User Centered Software Engineering, User Centered Design, Agile/Scrum
- **Generative AI & LLMs:** OpenAI (GPT-4/5 APIs), Anthropic Claude, LangChain, Prompt Engineering, AI-Powered Chatbots, AI-assisted Code Development (GitHub Copilot), Fine-tuning & Embeddings

PROFESSIONAL EXPERIENCE

Texas-Academy.com

May 2025 - Present

Founder

As the visionary founder of Texas-Academy, I lead a dynamic team of educators, tech innovators, and industry leaders dedicated to shaping the future of digital education. Our mission blends metaverse, blockchain, and generative AI technologies to redefine how students learn, interact, and grow in a digital-first world.

- **Metaverse Experiences:** Developed immersive virtual classrooms using three.js, where students engage with instructors and peers in real time. Conducted **user research, persona development, and usability testing** to ensure virtual environments foster collaboration and accessibility. Designed **information architecture, interaction flows, and wireframes in Figma** to guide development, resulting in intuitive and engaging 3D learning experiences.
- **Blockchain Certifications:** Implemented blockchain-based certifications with Solana smart contracts. Validated user needs through **prototype testing and feedback cycles**, ensuring transparent, secure, and frictionless credential management.
- **Generative AI Integration:** Leveraged OpenAI and Anthropic models to power intelligent tutoring systems. Applied **UX prototyping and usability testing** to personalize learning assistants that adapt to student progress, significantly improving engagement and learning outcomes.
- **Custom Plugin Development:** Engineered proprietary WordPress CMS plugins integrating metaverse interactions, blockchain validation, and AI-driven learning. **Mapped user journeys and designed high-fidelity prototypes in Figma**, ensuring seamless educator and student experiences.
- **Innovation Leadership:** Drove cross-functional innovation at the intersection of education, Web3, and generative AI, enabling Texas-Academy to become a pioneer in scalable, user-centered education technology.

Texas Health and Human Services Commission

Aug 2024 - June 2025

FullStack Developer

*Architected a monorepository-based suite of micro frontend applications, enabling seamless integration, modular scaling, and high performance across teams and deployments. Collaborated with backend developers to align .NET service interfaces with frontend modular architecture, ensuring tight integration and consistent data flow. Engineered a modern client-side web application using Angular 18 with a strong emphasis on modular component design and enterprise-grade state management using ngRx and Redux. Leveraged ngRx to maintain predictable state, support lazy-loaded modules, and enable real-time synchronization with .NET API endpoints. Leveraged **GitHub Copilot AI** to accelerate development, streamline repetitive coding tasks, and propose optimized architectural patterns, reducing delivery timelines and enhancing code consistency across micro frontends*

- *Integrated RESTful services into a reactive front-end architecture, partnering closely with .NET back-end teams to streamline the delivery of business-critical data through secured, well-documented APIs. Developed dynamic UI components that consumed .NET Core microservices, ensuring resilience and performance under high-load conditions. Utilized **Copilot's AI-assisted** code generation to rapidly scaffold services, unit tests, and integration patterns, enabling faster prototyping and*

iteration cycles

- *Implemented end-to-end testing protocols, including unit tests and logic validation using ngRx selectors and effects, while maintaining close alignment with the behavior of corresponding .NET back-end components.*
- *Translated complex business, accessibility, and **compliance requirements into scalable, intuitive UI solutions fully aligned with WCAG** and modern front-end standards. Actively contributed to cross-functional planning sessions to ensure frontend deliverables were fully compatible with evolving .NET service contracts.*
- *Delivered production-ready code with comprehensive documentation and provided technical leadership during deployment, ensuring successful integration of Angular micro frontends with .NET-powered infrastructure. Oversaw CI/CD pipelines, code reviews, and architectural governance to enforce maintainability, security, and testability standards across the stack.*

Capital One

Mar 2024 - Jul 2024

FullStack Developer

Developed a cross-platform Angular 17 monorepository application leveraging the Ionic framework, **Capacitor**, and **Redux** to support seamless deployment across web and mobile platforms. Employed **GitHub Copilot AI** to accelerate feature development, reduce boilerplate code, and maintain architectural consistency across shared modules.

Implemented **Ionic** + Capacitor to deliver a native-like experience on iOS and Android devices while maintaining a single codebase for scalability and maintainability. Used Copilot's contextual suggestions to scaffold native plugin integrations (e.g., camera, geolocation, file storage), reducing setup time and ensuring compatibility across platforms.

- **Implemented Redux** for centralized state management, improving application predictability, debugging capabilities, and overall performance across complex mobile and web interactions. Designed a scalable store structure and ensured clean separation of concerns between UI components and business logic.
- **Engineered creative UX solutions** to address advanced usability challenges. Collaborated closely with development teams, clearly communicating design prototypes and technical concepts.
- **Designed and implemented responsive UI components** using Ionic, focusing on performance, accessibility, and consistency across devices. Engineered advanced UX flows using Ionic's UI toolkit and Capacitor's native integration features, ensuring an intuitive experience across mobile and tablet form factors.
- **Specialized in scalable front-end architecture** using Angular 17, Ionic, Capacitor, and Redux, supported by comprehensive automated testing via Jest. Collaborated with design and development teams to deliver pixel-perfect mobile experiences while adhering to enterprise-level standards for maintainability and performance.
- **Optimized API consumption and data integration processes** to streamline real-time user interactions across web and mobile environments. On the backend, developed and maintained robust RESTful services using Java SpringBoot, ensuring secure, high-performance data exchange across functional modules.
- The **Java SpringBoot architecture** supported dynamic routing, business rule validation, and third-party service integrations. Contributed to backend service orchestration and data modeling, ensuring smooth interoperability with the Redux-powered frontend state.

Texas State Guard Department

FullStack Developer

Apr 2023 – Feb 2024

Spearheaded the development of a new permissions module in an Angular 15 application, enhancing routing protection and user authorization workflows through improved state management and fine-grained access control. Engineered highly interactive and responsive UI features to support administrative and financial oversight, focusing on ADA accessibility and real-time data visibility for critical General Ledger (GL) entries. Designed and developed scalable .NET APIs to ensure secure and consistent communication with backend systems, supporting key modules related to accounting, audit logging, and compliance tracking.

- Maintained and extended multiple .NET services to integrate with enterprise systems, enabling reliable processing of financial transactions and GL activities.
- Leveraged .NET Core to implement RESTful endpoints that supported complex financial operations and integrated seamlessly with Angular front-end components.
- Collaborated with cross-functional teams to optimize .NET back-end logic, improving performance, reliability, and

- maintainability of the audit and reporting services.
- Utilized .NET in combination with Azure Functions to automate critical financial workflows, such as ledger validations, transaction summaries, and compliance scheduling—ensuring scalable, serverless execution.
- Built complex reactive forms with custom validations in Angular to streamline financial data input and enforce accounting integrity. Championed responsive design principles, delivering optimized user experiences across devices for both field and administrative users.
- Led testing strategy using Jest for front-end and Chai for back-end, ensuring high-quality, maintainable code across the Angular and .NET stack. Integrated advanced monitoring and logging to support audit traceability and system compliance.

Capital One, Texas

Sep 2022 - Apr 2023

FullStack Developer

Designed and developed a Bulk Mail System with a strong emphasis on scalable and maintainable front-end architecture, delivering a robust platform capable of handling high-volume transactional communications.

Led the front-end development using React and Next.js, building modular, reusable, and pixel-perfect UI components while ensuring optimal performance and responsiveness across devices. Integrated Connex UI and Empath framework into the React-based design system to ensure design consistency and a smooth user experience across the application.

- Implemented server-side rendering and dynamic routing through Next.js, enhancing page load times, SEO, and application structure. Focused heavily on accessibility, cross-browser compatibility, and mobile-first design to align with enterprise usability standards.
- Collaborated closely with UI/UX designers and back-end engineers in an Agile environment, clearly articulating design concepts, wireframes, and technical requirements. Took ownership of translating business logic into intuitive interfaces, frequently leading technical discussions and front-end code reviews.
- Developed and maintained automated testing infrastructure using Jest, improving test coverage and ensuring code reliability across multiple user workflows.
- On the backend, designed and deployed scalable Java Spring Boot microservices to handle business logic, email dispatch, and system orchestration. Optimized API performance and implemented robust error-handling strategies to support a reliable communication layer.
- Managed CI/CD pipelines using Docker, Jenkins, and Git, ensuring seamless integration, testing, and deployment processes across development, staging, and production environments. Played a key role in maintaining and evolving DevOps workflows to support faster delivery cycles and consistent release quality.

The Janssen Pharmaceutical Companies, New Jersey

Jan 2022 - Sep 2022

FullStack Developer New Jersey

Customized graphical reports using JavaScript and CSS to elevate front-end data visualization capabilities, ensuring clarity, usability, and alignment with research needs. **Conducted user research and feedback sessions with genetic researchers** to understand workflows and data interpretation challenges, translating findings into intuitive UI designs.

- Built structured **information architecture and user flows** to simplify complex genetic data exploration. Designed **wireframes and prototypes in Figma (low- and high-fidelity)** to validate visualization approaches before implementation, reducing rework and increasing adoption.
- Facilitated **usability testing** to refine data presentation and interaction patterns, resulting in more accessible and user-friendly reporting tools. **Integrated AI tool APIs within a React application** to process and analyze genetic data in real time, collaborating closely with researchers to deliver user-centered solutions.
- Engineered reusable, responsive front-end components in a React environment, while also developing backend microservices in Python and managing deployments with Docker and Jenkins to ensure scalability and reliability.

Bang Energy, Miami Nov 2021 - Jun 2022

FullStack Developer Miami

Implemented front-end solutions for Salesforce Commerce Cloud projects to automate marketing efforts and enhance user experience.

- Translated business requirements into responsive, pixel-perfect front-end interfaces.
- Communicated design prototypes and technical concepts to development teams under agile frameworks.
- Engineered back-end microservices using Salesforce-specific development practices to support integrated systems.

Wisconsin Department of Health Services Apr 2021 - Nov 2021

Full Stack Developer

Developed a comprehensive system for managing health benefits with an emphasis on responsive front-end design using Angular.

- Conveyed design concepts and prototypes to developers to ensure consistency and clarity in UI development.

- Led a UI-front end team to produce maintainable code with extensive test coverage using Jasmine and Karma.
- Integrated Salesforce Lightning Design System (SLDS) elements to create intuitive, user-friendly interfaces.
- Managed deployment processes using Docker, Jenkins, and GitHub, ensuring a seamless CI/CD pipeline.

Best Buy, Minneapolis & Capital One in Texas through Wipro Mar 2019 - Apr 2021

Digital Architect Minneapolis & Texas

Defined front-end architecture for supply chain applications using Angular 12, ensuring clean integration with Spring Boot backend services.

- Guided the design and development of an auto loans application, specifically engineering the authentication module and statistical data modules with Angular.
- Communicated design and user experience strategies to development teams to solve complex usability challenges.
- Managed end-to-end deployments using Docker, Jenkins, and GitHub, reinforcing robust CI/CD practices.
- Integrated backend API consumption requirements, ensuring seamless connectivity between front-end and microservices.

CVS, Pittsburgh Jan 2018 - Dec 2018

FrontEnd team leader, FullStack Developer Pittsburgh

Led a 60-developer team across onsite and offshore environments to design and build a critical medicine supply chain system using Angular 6, Ionic, and Java SpringBoot. The application was architected to function across web and mobile platforms using the Ionic framework, while the backend leveraged Java SpringBoot to deliver scalable and secure APIs.

Defined front-end architecture integrating Ionic components for mobile responsiveness, and created UI wireframes with Axure to guide development. Engineered reusable components and services with Ionic and Angular, ensuring smooth UX across devices.

Collaborated with cross-functional agile teams to deliver full-stack solutions powered by Java SpringBoot, supporting real-time inventory tracking and logistics.

Actively contributed to backend integration, implementing RESTful services in Java SpringBoot and optimizing data exchange for high-volume operations.

Oversaw code quality and deployment strategies for Java SpringBoot microservices, reinforcing system reliability and maintainability. Facilitated Agile ceremonies, including Sprint Planning and SCRUM, to align development goals and ensure successful delivery of the Ionic and Java SpringBoot-based platform.

Engineered component and service code to create responsive and scalable user interfaces.

Collaborated with cross-functional agile teams to build, test, and implement full-stack technical solutions

Ericsson, Silicon Valley Sep 2017 - Jan 2018

FrontEnd team leader, FullStack Developer Silicon Valley

Developed a reactive web application for Unified Development Network (UDN) focused on ticket control and rapid issue resolution, aligning both technical performance and user experience goals.

- **Conducted user research and stakeholder interviews** to capture requirements, pain points, and workflows, ensuring the solution addressed real user needs. Created structured **information architecture and user flows** to simplify navigation and optimize task efficiency.
- Designed and refined **wireframes in Figma**, producing both **low- and high-fidelity prototypes** to validate functionality before implementation. Facilitated **usability testing sessions** that uncovered critical UX improvements, leading to more intuitive interfaces and reduced training time.
- Coordinated business requirements into front-end development tasks under agile methodologies, while engineering responsive web applications with modern JavaScript practices to maximize component performance.
- Translated wireframes and designs into high-quality code and collaborated cross-functionally in all Agile ceremonies, ensuring iterative improvements and rapid delivery.

Live Oak Bank, North Carolina Feb 2017 - Sep 2017

FullStack Developer North Carolina

Delivered deposit and loan projects by enhancing user experience through robust front-end development in React and Angular.

- Followed MVC patterns for seamless AWS web services consumption, ensuring responsive UIs.
- Refined front-end code to improve performance and usability while maintaining high coding standards.
- Collaborated with teams to integrate backend Apex services for a comprehensive banking solution.

SAP Montreal, Canada Sep 2016 - Jan 2017

SAPUI5 Front-end Developer Montreal, Canada

Enhanced locomotive maintenance operations by over 20% through a custom SAPUI5 application built with MVC pattern.

- Collaborated internationally using SAPUI5 framework to ensure a unified, responsive front-end experience.
- Authored well-documented code and adhered to established coding standards to maintain software quality.
- Produced and maintained detailed technical documentation, supporting smooth transitions during agile ceremonies.

IBM, Banorte in Mexico City Jan 2014 - Dec 2014

UX Front-End Developer Mexico City

Spearheaded the development of two online banking platforms under aggressive deadlines, combining modern CSS precompilers with the Dojo framework to deliver responsive, pixel-perfect front-end experiences. **Integrated UX design best practices** by conducting user research and usability testing sessions with banking stakeholders to validate design decisions. Developed detailed **information architecture and user flows**, ensuring intuitive navigation and reduced customer drop-off rates. Designed and iterated on **low- and high-fidelity wireframes and interactive prototypes**, enabling rapid alignment between business requirements, design concepts, and technical feasibility. Leveraged IBM WebSphere Application Server as the enterprise deployment environment, ensuring high availability, security, and scalability across banking services. Utilized IBM Rational Application Developer (RAD) for efficient development, debugging, and integration of enterprise Java applications within WebSphere.

- Effectively translated complex business requirements from directors into robust technical solutions, aligning user-centered design principles with scalable back-end services.
- Directed a hybrid team of co-located and offshore developers, maintaining agile delivery standards and enforcing consistent UI/UX guidelines.
- Guided the configuration of advanced CSS architectures and optimized Dojo components to maximize performance across browsers and devices.

EDUCATION AND CERTIFICATION

UNAM Mexico City

Bachelor, Economics

- **Achievements:** Hackathon: EarthX Mexico - Third place prize: Agriculture Project Mexico City
Developed an Angular-based application for an agricultural trading initiative focused on the apple supply chain in rural regions of Mexico. Integrated GIS mapping technologies with AgGrid to visually represent and manage geographical data related to farm locations, production zones, and logistics routes.
 - Collaborated in the integration of blockchain technology to ensure traceability, transparency, and secure logging of transactions across the supply chain—from orchard to marketplace.
 - Created intuitive dashboards to display real-time data on crop yield, regional trading activity, and delivery logistics, enhancing decision-making for farmers and stakeholders.
 - Implemented reactive forms with custom validations to ensure clean data entry for farmers and distributors across variable internet conditions.
 - Focused on responsive design and accessibility to support mobile users in rural areas, ensuring compliance with usability standards.
 - Worked closely with agronomists and local stakeholders to tailor digital tools that respected regional trading practices and infrastructure limitations.
- **Coursework:** PHP Programming Language

Collin College Plano, Texas

LICENSES & CERTIFICATIONS

- **Real Estate License:** Collin College Plano, Texas
- **Angular Certification:** testDome Online
- **Bachelor of Economics:** UNAM Mexico City - 2018
- **PHP Programming Language:** D.G.S.C.A. UNAM Mexico City
- **Hackathon:** EarthX Mexico - Third place prize: Agriculture Project Mexico City
- **Certified Angular And Typescript Developer:** Test-Dome
- **Certified Blockchain Developer:** Blockchain Council
- **Certified Professional Communication Coach:** Ministry of Labor and Social Welfare in México

LANGUAGES

- Spanish (native)
- English (bilingual)
- French (intermediate)

VOLUNTEER EXPERIENCE

Abracalibro Jun 2017 - Present

Mentor

- As a mentor for Abracalibro, I provide guidance to low-income students pursuing careers in tech, offering career

advice, web development support, and communication strategies to help them succeed in their professional journeys.