

FELIPE JACOB GALINDO SUAREZ

Austin, Texas | Mobile: +1 (512) 364-7498 | triajako@gmail.com

<https://nextjsresume.felipejacob.site> / <https://www.linkedin.com/in/felipe-jacob-galindo/>

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with experience on designing and developing high-quality, scalable web applications. Experienced in modern JavaScript frameworks including React, Angular, Vue.js, Next.js, and TypeScript.

I have closely collaborated with product, design, and backend teams to deliver scalable, maintainable solutions that align with business goals. Experienced in architecting and deploying cloud-native applications using AWS services such as ECS, Lambda, and DynamoDB. Proven track record in translating complex requirements into agile, responsive solutions that drive performance improvements in public safety products.

TECHNICAL SKILLS

- **Backend:** JAVA Spring Boot, .NET, Node, Python and PHP
- **Frontend:** TypeScript, Angular 21, React 19, Ionic, Capacitor, HTML5, SASS, [Vue.js](#), Javascript, AJAX, GraphQL, Figma
- **Cloud Computing:** AWS S3, EC2, Lambda
- **Databases:** SQL (PostgreSQL, MySQL), MyBatis, MongoDB, FireBase
- **Business Intelligence:** Tableau, PowerBI
- **DevOps Tools:** CI/CD pipelines, Kubernetes
- **AI Tools:** GitHub Copilot, Cloud Code, Gemini, ChatGPT, Vercel, Replit, Lovable
- **Methodologies:** User Centered Software Engineering, User Centered Design, Agile/Scrum

PROFESSIONAL EXPERIENCE

Bessemen Venture Partners

December 2025 - March 2026

Digital Architect

This project centers on building a next-generation web application for the financial industry, designed and delivered by Bessemer Venture Partners to empower its partners with deeper insight, stronger confidence, and more systematic decision-making.

At its core, the application addresses a fundamental challenge in venture capital and portfolio management: the fragmentation of data, context, and communication.

- **Architect and developed** from end to end a scalable, high-performance full-stack platform integrating diverse financial data sources into a unified, intuitive interface for investment analysis and decision-making.
- Led frontend development using **React** and **TypeScript**, implementing modular, reusable component architecture and leveraging **MUI X** for advanced data grids, date pickers, and rich UI components to enhance usability and performance.
- Designed and implemented robust state management using modern patterns (e.g., Context API / Redux Toolkit), ensuring predictable data flow, efficient caching, and seamless synchronization across complex views.
- Built responsive, accessible user interfaces with **CSS3**, emphasizing clean design systems, consistent theming, and optimal cross-device experience.
- Developed backend API services using **Java Spring Boot**, designing secure, scalable RESTful services with layered architecture, dependency injection, and robust exception handling for data ingestion, aggregation, and real-time interactions.
- Implemented enterprise-grade backend features including authentication/authorization (Spring Security), API validation, and performance optimization for high-throughput financial data processing.
- Engineered high-performance data science query services using **FastAPI (Python)**, enabling advanced analytics and model-driven insights powered through a **Databricks** data layer.
- Integrated frontend and backend systems to support real-time data visualization, portfolio tracking, and scenario analysis, ensuring low latency and high reliability.

Link: <https://corp.interx.us/2026/03/25/bessemer-venture-partners/> (request password)

Texas-Academy

May 2025 - Present

Founder

Architected and implemented scalable backend services for an AI-driven education platform using **Node.js** and **TypeScript**, designing modular microservices and high-throughput APIs to support intelligent agent orchestration and real-time AI interactions.

- Designed and deployed **AI agent workflows** integrating large language models (LLMs) with enterprise systems, leveraging

frameworks such as **LangChain** and custom orchestration layers to enable multi-step reasoning, tool usage, and contextual knowledge retrieval.

- Developed **scalable API infrastructure** supporting conversational AI, adaptive learning workflows, and real-time recommendation engines, using **REST, GraphQL, and streaming APIs** to enable low-latency communication between AI services, client applications, and external integrations.
- Built **secure authentication and authorization layers** using JWT, OAuth2, and role-based access control integrated with distributed microservices and enterprise identity providers.
- Developed **real-time AI interaction systems** using WebSockets and event-driven architectures, enabling streaming responses from LLM inference services and real-time collaboration across AI-powered educational environments.
- Collaborated closely with frontend teams building React-based interfaces and immersive 3D learning environments, exposing well-structured APIs and streaming endpoints that power AI tutors, blockchain credential verification, and adaptive learning analytics.

Link: <http://www.texas-academy.com/> | <https://www.youtube.com/@Texas-Academy>

Texas Health and Human Services Commission Aug 2024 - June 2025

FullStack Developer

Architected and led the development of a statewide web application commissioned by Texas HHSC to manage Psychiatric Bed Assignments across all mental health facilities in Texas. The platform centralizes the full patient lifecycle—from initial admission based on funding eligibility, through in-care state-driven workflows, to discharge and post-discharge rule enforcement—while also providing dedicated reporting capabilities for subcontracted providers.

- Designed a monorepository-based suite of micro-frontend applications using module federation (Webpack Module Federation or Vite) to ensure seamless integration, modular scalability, and high performance across teams and deployments. Collaborated closely with backend teams to align .NET service interfaces with the modular frontend architecture, ensuring tight integration and consistent data flow.
- Engineered a modern client-side application using Angular 17 with a strong emphasis on scalable component architecture and enterprise-grade state management. Leveraged React Hooks (useState, useReducer, useContext) alongside Redux Toolkit or Zustand to maintain predictable state transitions, support code-splitting and lazy loading, and enable real-time synchronization with .NET API endpoints throughout the complex patient-workflow processes.
- Integrated RESTful services into a reactive front-end architecture using React Query or SWR for efficient data fetching, caching, and synchronization, 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.
- Implemented comprehensive testing protocols, including unit tests with Jest and React Testing Library, and integration tests validating state management logic with Redux Toolkit or Zustand stores, while maintaining close alignment with the behavior of corresponding .NET back-end components. Led a UI front-end team to produce maintainable code with extensive test coverage.
- Translated complex business, accessibility, and compliance requirements into scalable, intuitive UI solutions fully aligned with WCAG 2.1 AA standards using Material UI component library with custom theming to match Texas HHSC branding guidelines. Actively contributed to cross-functional planning sessions to ensure frontend deliverables were fully compatible with evolving .NET service contracts.

Capital One Mar 2024 - Jul 2024

Digital Architect

Developed a CMS cross-platform React 18 monorepository application leveraging the Ionic framework, Capacitor, and Redux to support seamless deployment across web and mobile platforms. The Ionic + Capacitor implementation enabled a native-like experience on iOS and Android devices while maintaining a single codebase for maintainability and scalability. CMS consisted of allowing marketing executives to plan and schedule marketing campaigns related to credit card products.

- **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 React 18, 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 a UI-front end team to produce maintainable code with extensive test coverage using Jasmine and Karma.
- 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

Digital Architect

Designed and developed a CMS for sending 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 June 2021 - Sep 2022

Digital Architect

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.

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

Full Stack Developer

Part of 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. Utilized MyBatis for efficient and maintainable MySQL query management, ensuring fine-grained control over SQL execution and performance tuning.
- 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.

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.

Link: <https://www.facebook.com/EarthXMexico/photos>

- **Certification on:** PHP Programming Language
- **Real Estate License:** Collin College Plano, Texas
- **Angular Certification:** testDome Online

Awards

April 8th 2026

Education 2.0 Conferences: Speaker at Defining Content Standards: Navigating Free Expression & Inclusive Education. The connection between academic freedom and inclusive education, especially with changing content standards, presents a significant pedagogical challenge. We will critically discuss ways to establish defensible boundaries between these critical educational objectives.

Visit our conversation at: https://www.youtube.com/live/f6eQ_ePgDXo?t=5160s

Feel free to access an academic article about the importance of AI, Metaversities, Gamification and Blockchain at:

<https://www.linkedin.com/pulse/transforming-education-through-artificial-intelligence-aldpc/>

LANGUAGES

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