FELIPE JACOB GALINDO SUAREZ

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with over 12 years of experience designing and developing high-quality, scalable web applications. Experienced in modern JavaScript frameworks including React, Angular, Vue.js, Next.js, and TypeScript, with expertise in GraphQL for efficient data handling. Strong focus on rigorous testing using Jest and other automated methods to ensure reliability and performance.

As a full stack developer, 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 19, React 18, 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 - May 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.

- Architected and developed a scalable, high-performance full-stack microservices platform integrating diverse financial data sources into a unified, intuitive interface for investment analysis and decision-making.
- Developed robust Java Spring Boot–based microservices with layered architecture, dependency injection, and strong exception handling to support data ingestion, aggregation, and real-time financial interactions.
- Designed and implemented event-driven architectures using Apache Kafka, building reliable producers and consumers to enable asynchronous, high-throughput data processing across distributed microservices.
- Deployed and operated microservices on AWS, leveraging core AWS services including S3 for scalable object storage, and managing cloud infrastructure to ensure high availability and performance.
- Designed and maintained relational data models using Aurora PostgreSQL, writing optimized queries and schemas to support complex financial data operations and reporting.
- Led frontend development using Angular 21, implementing modular, reusable component architecture to deliver responsive, accessible, and high-performance user interfaces for investment analytics.
- Implemented enterprise-grade backend features including authentication and authorization via 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.
- Established best practices for code quality, testing (JUnit, integration testing), and CI/CD pipelines, improving deployment efficiency and system stability.
- Collaborated cross-functionally with data scientists, product managers, and stakeholders to translate complex financial workflows into actionable, user-centric product features.
- Optimized application performance through microservices decomposition, backend query optimization, efficient Kafka topic design, and AWS-native scaling strategies, significantly improving system throughput and user experience.

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

Texas-Academy.com **May 2025 - Present**

Fullstack Developer

Architected and developed a scalable single-page application (SPA) using Angular 21 with a modular, component-driven architecture to power the AI-driven education platform. Implemented secure authentication flows (JWT/OAuth) and role-based access control integrated with backend microservices.Focused on architecting and implementing AI-driven education systems that combine metaverse, blockchain, and generative AI technologies to deliver scalable, adaptive, and immersive digital learning experiences.

- Built dynamic dashboards for students, instructors, and administrators with reactive state management (RxJS).
- Developed immersive 3D virtual classrooms using three.js, enabling real-time communication and interaction via WebRTC and WebSockets.
- Implemented optimized rendering pipelines and modular 3D components with accessibility-first design.
- Developed real-time UI updates for AI tutoring sessions, blockchain verification status, and credential issuance tracking using WebSockets.
- Designed reusable UI component libraries aligned with accessibility-first and responsive design principles.
- Integrated RESTful and streaming APIs from Python FastAPI services for low-latency inference and recommendation rendering.

  Link: https://www.texas-academy.com

Texas Health and Human Services Commission **August 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 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 18 with a strong emphasis on scalable component architecture and enterprise-grade state management. Leveraged NgRx/Redux patterns to maintain predictable state transitions, support lazy-loaded modules, and enable real-time synchronization with .NET API endpoints throughout the complex patient-workflow processes.

- 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.

- 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. Led a UI-front end team to produce maintainable code with extensive test coverage using Jasmine and Karma.

- Event-driven architectures using Apache Kafka to enable asynchronous, high-throughput data processing across distributed microservices.

- Translated complex business, accessibility, and **compliance requirements into scalable, intuitive UI solutions fully aligned** with **WCAG** and Material Design 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 **March 2024 - July 2024**
Digital Architect

Developed a cross-platform Angular 17 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. Capacitor acted as a native runtime bridge, allowing the web application to access native device features such as camera, geolocation, and file storage, while also enabling deployment to app stores. The project integrated multiple business units, significantly enhancing front-end performance and user experience.

- **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 April 2023 – February 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 **September 2022 - April 2023**
Digital Architect
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.
- Implemented event-driven architectures using Apache Kafka, building reliable producers and consumers to enable asynchronous, high-throughput data processing across distributed microservices.

The Janssen Pharmaceutical Companies, New Jersey **December 2021 - September 2022**
Digital Architect

Designed and developed advanced genetic data visualization and analysis platforms that enabled researchers to efficiently interpret complex genomic datasets through intuitive, user-centered interfaces. Enhanced data accessibility by creating customized graphical reporting solutions, transforming large volumes of research data into clear, actionable insights through interactive visualizations and reporting dashboards.

Collaborated closely with genetic researchers to understand scientific workflows, data interpretation challenges, and reporting requirements. Conducted user research sessions, stakeholder interviews, and feedback workshops to gather requirements and translate scientific needs into effective user experiences. Created structured information architectures, user journeys, and data exploration workflows that simplified navigation and improved the discoverability of critical genetic insights.

Designed and validated low-fidelity and high-fidelity wireframes and interactive prototypes using Figma, enabling early feedback cycles and reducing development rework. Performed usability testing and iterative design refinements to improve accessibility, usability, and adoption of reporting tools among research teams.

Integrated AI-powered analysis capabilities within a React-based application, leveraging external AI APIs to process and analyze genetic data in real time. Developed reusable and responsive front-end components that supported scalable visualization frameworks while maintaining consistency across the platform. Built backend microservices using Python to support data processing, analytics workflows, and API integrations. Managed containerized deployments using Docker and automated CI/CD pipelines through Jenkins to ensure reliable, scalable, and efficient application delivery.

Key Responsibilities

- Developed custom graphical reporting and data visualization solutions using JavaScript, CSS, and React to present complex genetic research data in an intuitive and user-friendly format.
- Conducted user research, stakeholder interviews, and feedback sessions with genetic researchers to identify workflow challenges and data interpretation requirements.
- Created information architecture models, user flows, and navigation structures to simplify exploration of large-scale genetic datasets.
- Designed low-fidelity and high-fidelity wireframes, prototypes, and interactive mockups using Figma to validate user experience concepts before implementation.
- Facilitated usability testing sessions and incorporated user feedback to optimize visualization effectiveness, accessibility, and overall user satisfaction.
- Integrated AI tool APIs into React applications to enable real-time genetic data processing, analysis, and insights generation.

- Collaborated with cross-functional teams, including researchers, data scientists, designers, and engineers, to deliver user-centered solutions aligned with research objectives.
- Engineered reusable, responsive front-end components using React, improving maintainability, scalability, and development efficiency.
- Developed backend microservices in Python to support data processing, business logic, and API integrations.
- Containerized applications using Docker and managed automated build, testing, and deployment pipelines through Jenkins.
- Optimized application performance, scalability, and reliability across both frontend and backend environments.
- Participated in Agile development processes, including sprint planning, technical design discussions, code reviews, testing, and production deployments.

Best Buy, Minneapolis & Capital One in Texas through Wipro **March 2019 - November 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 **September 2017 - December 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.

Live Oak Bank, North Carolina **February 2016 - September 2017**
FullStack Developer, Wilmington North Carolina

Designed and developed Salesforce-based Deposit and Loan Management applications to streamline financial operations and improve customer engagement. Built intuitive, responsive user interfaces that contributed to a 25% improvement in overall user experience and user satisfaction metrics. Leveraged modern front-end technologies and Salesforce platform capabilities to deliver scalable, high-performance solutions for managing customer deposits, loan applications, approvals, and account servicing processes.

The application architecture followed the Model-View-Controller (MVC) design pattern, enabling clean separation of concerns and maintainable code. Integrated Salesforce with AWS-hosted web services to facilitate secure data

exchange, real-time processing, and seamless communication with external financial systems. Developed robust business logic and backend services using Salesforce Apex, ensuring compliance with business rules, data integrity, and efficient transaction processing.

Key Responsibilities

- Designed, developed, and maintained Deposit and Loan Management solutions on the Salesforce platform.
- Built responsive and user-friendly front-end components using **Angular** to enhance customer and employee interactions.
- Implemented MVC architecture to create scalable, maintainable, and reusable application components.
- Integrated Salesforce applications with AWS web services and external APIs to support real-time data synchronization and business processes.
- Developed Apex classes, triggers, and asynchronous processes to implement complex business logic and automate workflows.
- Collaborated with business analysts, product owners, and stakeholders to gather requirements and translate them into technical solutions.
- Optimized application performance, resulting in a measurable **25% improvement in user experience and usability**.
- Created and maintained Lightning components, custom objects, validation rules, and security configurations within Salesforce.

Technologies: Salesforce, Apex, Lightning Components, Angular, AWS Web Services, REST APIs, MVC Architecture, JavaScript, HTML, CSS, Agile/Scrum.

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

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/

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

- **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.