

Founder & CEO at **Texas-Academy** | Empowering the Next Generation of Developers & Communicators | CTO at InterX | We are a web3.0 consultancy agency

Location: Austin, Texas | **Industry:** Education, Web Development, Professional Development

[LinkedIn](#) | +1 (512) 284-9665 | jacob@interx.us

PROFESSIONAL SUMMARY

I am a passionate entrepreneur and the founder of **Texas-Academy**, a cutting-edge online learning platform dedicated to equipping individuals with the skills they need to succeed in the fast-evolving tech world. At **Texas-Academy**, we specialize in providing high-quality courses and certifications in **web development**, **blockchain**, and **communication** skills. Our mission is to bridge the gap between technical expertise and effective communication, ensuring that our students excel both in coding and in navigating the professional world.

With a deep understanding of the tech industry's demands, I've created a platform where students can build foundational and advanced skills in **front-end development**, **back-end development**, **blockchain technology**, and communication areas such as **salary negotiation**, **conflict resolution**, and **effective communication**. By combining these essential skill sets, we are empowering the next generation of developers to not only excel in coding but also thrive in their professional careers.

Our courses are designed to be hands-on, real-world applicable, and customizable to the needs of each student. Whether you're a beginner looking to get started in web development or a professional seeking to upskill in emerging technologies like blockchain, **Texas-Academy** is here to guide you on your journey.

I possess a broad range of technical/domain skills and knowledge with a total of 20+ years of experience in the IT industry, (since the beginning of FlashMx)

TECHNICAL SKILLS

Backend:	JAVA Spring Boot, .NET , Node and Python
Frontend:	TypeScript, Angular 19, React 18, Ionic, HTML5, SASS, Vue.js ,
Cloud Computing:	AWS S3, EC2, Lambda
Databases:	SQL (PostgreSQL, MySQL)
Business Intelligence:	Tableau and PowerBI.
DevOps tools:	CI/CD pipelines, and Kubernetes
Methodologies:	User Centered Software Engineering and User Centered Design, Agile/Scrum.

Founder & CEO

Texas-Academy | *Austin, Texas*

April 2025 – Present

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. We design and deliver **world-class online courses** that blend cutting-edge **technical development** with essential **professional communication skills**, ensuring our students are fully equipped for the evolving tech landscape.

Our prestigious **certifications** are securely stored on **Ethereum's Blockchain**, providing verifiable, tamper-proof credentials that set our graduates apart in the global job market. Moreover, students can **immerse themselves in our state-of-the-art Metaverse classroom**, where interactive, hands-on learning transcends traditional education, creating an unparalleled virtual experience.

Key Responsibilities:

- Developing and overseeing course curriculum focused on front-end and back-end web development, blockchain, and communication skills.
Partnering with industry leaders to ensure that the content remains relevant, up-to-date, and aligned with current tech industry needs.
- Mentoring students and professionals, guiding them through the course material and offering personalized career advice.
- Creating partnerships with tech companies and corporations to provide job placement and internship opportunities for our students.
- Continuously expanding the range of courses offered to meet the evolving needs of the workforce.

[Inter-X](#) Austin, Texas

Chief of Technology

January 2025 - Present

Description: Prior to founding Texas-Academy, I founded Inter-X, a web development agency where we specialized in creating custom websites and solutions for startups, SMBs, and large corporations. My experience working directly with clients helped me identify the gap in technical and soft skills training, which ultimately led to the creation of Texas-Academy.

Responsibilities

- Assign and review the work of systems analysts, programmers, and other computer-related professionals.
- Purchase necessary equipment
- Stay abreast of advances in technology
- Review project plans to plan and coordinate project activity.

- Meet with department heads, managers, supervisors to resolve problems
- Provide user with technical support for coding assignments
- Recruit, hire, train and supervise staff

Founder & FullStack Developer

October 2005 - December 2024

Description: Developing multi touch applications, e-learning, video games and interactive websites

Responsibilities

- As a FullStack developer at this company, I have been involved in several projects related to e-learning in private and public universities and private companies.
- I have also developed pharmacoeconomics applications for recognized laboratories where economical and financial concepts were important to understand client requirements.
- In the tourism industry I have developed email marketing campaigns and also multitouch applications.
- Another important achievement was related with video game development using actionscript 2.0 and 3.0, php on the backend.

Technical Platform:

Photoshop, Figma, HTML5, CSS3, JQuery, as3, JavaScript, PHP, Angular, React, Vue, NET, Python, Ethereum - Solidity, ThreeJS

Texas Health and Human Services Commission through Inter-X

August 2024 - Present

UI Digital Architect .NET Developer

Description: As a digital Architect and fullstack developer I'm coding under a monorepository different micro frontend applications that works under a main application wrapper. Our applications allows users to create an account within the system and manage its profile data. It also allows admitting a patient and selecting among different funders in the health institutions in Texas so we can manage bed capacity on each medical institution.

Responsibilities

- Developing client side web app using Angular 18
- API and RESTful services consumption
- Translating requirements into a Design implementation
- Production implementation and support
- Participation in review and governance activities

Technical Platform:

.NET, Angular, Node, Typescript (MEAN), JavaScript, Bootstrap, Sass, Web services development and API consumption. Docker, Jenkins, Github, AWS.

Capital One

March - July 2024

FullStack Developer

Description: Angular 17 Mono repo application that integrates several business business units.

Responsibilities

- Communicate design ideas and prototypes to developers
- Responsible to find **creative** ways to solve UX problems related with usability and findability
- UI-FrontEnd specialist developing **Angular 17**
- Writing maintainable code with extensive test coverage using **Jest** on the frontend
- Angular api consumption

Technical Platform:

Nx, Typescript, JavaScript, .Net, Angular 17, Jest, Karma, Sass, API consumption. Docker, Jenkins, Github,

Texas Military Department

April 2023 - February 2024

FullStack Developer

Description: I have developed a new module in an existing **Angular 14** application, a permissions feature where according to requests and authorizations users can access different routing paths. I also have been involved in fixing UI features that allow the Texas Military Department to admin its users from an accountability and financial perspective.

Responsibilities

- Communicate design ideas and prototypes to developers
- Responsible to find **creative** ways to solve UX problems related with usability and findability
- UI-FrontEnd specialist developing **Angular 14** and consuming .net API's
- Write maintainable code with extensive test coverage using **Jest** on the frontend and **Chai** on the node backend
- Backend development was performed in **.NET**

Technical Platform:

Node, Typescript, JavaScript, .Net, Angular 14, Primeng, Sass, Web services development and API consumption. Docker, Jenkins, Github, AZURE.

Capital One, Texas

September 2022 - April 2023

FullStack Developer

Description: FullStack Developer in a project related to developing a Bulk Mail System for their credit card products. The system allows to define products, range of dates and beneficiaries of the products. Providing a solid front-end architecture and putting attention to concerns in order to provide solutions such as scalability, operability, maintainability and deployment. I also developed backend API services using JAVA SpringBoot

Responsibilities

- Communicate design ideas and prototypes to developers
- Responsible to find **creative** ways to solve UX problems related with usability and findability
- UI-FrontEnd specialist developing through **Empath framework** and using latest improvements related with **VUE 3** and **Connex UI** framework.
- Write maintainable code with extensive test coverage using **Jest** on the frontend and **Chai** on the node backend
- Backend development related with microservices using **JAVA** and **Spring Boot**
- Deployment process related with **Docker, Jenkins** and **Github**

- CI/CD using cloud native stack, build on **AWS**

Technical Platform:

Node, Typescript, JavaScript, Python, Java, Vue 3, React, Bootstrap, Sass, Web services development and API consumption. Docker, Jenkins, Github, AWS.

The Janssen Pharmaceutical Companies, New Jersey

January 2022 - September 2022

FullStack Developer

Description: My achievement is related to customizing graphical reports using javascript and css. Another achievement is related with AI tool APIs consumption in our react application that allows us to analyze and process genetic data.

I worked closely with researchers and scientists to understand their requirements and translate them into functional programs. Some of the key responsibilities and accomplishments in this role include:

1. DNA Data Analysis: I designed and implemented Python scripts and algorithms to analyze DNA sequencing data. This involved processing large datasets, performing statistical analysis, and identifying patterns and mutations within the genetic code.
2. Data Visualization: I developed interactive data visualization tools using libraries like Matplotlib and Plotly. These visualizations helped researchers explore and interpret complex genetic data, facilitating better insights and discoveries.
3. Integration with Bioinformatics Tools: I collaborated with bioinformatics experts to integrate our software with existing bioinformatics pipelines and tools.
4. Algorithm Optimization: I optimized existing algorithms and implemented new ones to enhance the performance and accuracy of DNA analysis.

Responsibilities

- Communicate design ideas and prototypes to managers
- Responsible to find **creative** ways to solve UX problems related with usability and findability
- UI-FrontEnd specialist developing on react environment
- Backend development related with microservices using **Python**
- Deployment process related with **Docker, Jenkins** and **Github**
- CI/CD using cloud native stack, build on **AWS**

Technical Platform:

Node, Typescript, JavaScript, Python, Jupyter Note Books, React, Bootstrap, Sass, Web services development and API consumption. Docker, Jenkins, Github, AWS.

Bang Energy, Miami

November 2021 - June 2022

FullStack Developer

Description: Salesforce Development under Salesforce Commerce Cloud for a recognized beverage company that needed to automate their marketing efforts through building their next website generation. With this improvement the marketing team is able to schedule, maintain and design campaigns. As a specialist in frontEnd development I provided responsive, pixel perfect solutions and also specific salesforce development for their management system.

Responsibilities

- Communicate design ideas and prototypes to developers
- Responsible to find creative ways to solve UX problems related with usability and findability
- UI-FrontEnd specialist developing responsive and pixel perfect solutions
- Develop backend code related with microservices using Salesforce

Technical Platform:

SalesForce Commerce Cloud, Apex, React, JavaScript, Bootstrap, Sass

Wisconsin Department of Health Services Full Stack Developer

April - November 2021

We developed a system for the Wisconsin Department of Health Services related to providing and managing health benefits for individuals and families. As a FullStack Developer with experience on the Salesforce Lightning Design System (SLDS) I was able to create custom and general modules as well as responsive components for mobile and desktop devices. I'm very experienced with pixel perfect development and using Angular frontend framework. Able to test using Jasmine, Karma and finally continuous development using Docker and Jenkins

Skills: Sales Force Development, Angular, pixel perfect, API Development

Responsibilities

- Communicate design ideas and prototypes to developers
- Responsible to find creative ways to solve UX problems related with usability and findability
- UI-FrontEnd team leader developer writing maintainable code with extensive test coverage using Jasmine and Karma on the frontend
- Salesforce development (SLDS)
- Deployment process related with Docker, Jenkins and Github
- Participates in all Agile ceremonies, including Sprint Planning, SCRUM, and Retrospectives

Best Buy, Minneapolis & Capital One in Texas through Wipro

March 2019 - April 2021

Digital Architect

Description: In Minneapolis Best Buy developed a project related to Supply Chain and I provided a solid front-end architecture (Angular 12) and also I gave some guidance about how API payloads should be provided when developing under Spring Boot framework.

In Texas, when working with Capital One there was an auto loans application where my responsibility was to code under Angular framework the authentication module (AIM) and to develop some modules related with statistics about auto loans. This datasets consumption was coming from Python backend

Responsibilities

- Communicate design ideas and prototypes to developers
- Responsible to find creative ways to solve UX problems related with usability and findability
- UI-FrontEnd team leader developer and data scientist for Capital One analyzing datasets in order to create reports for decision makers.
- Write maintainable code with extensive test coverage using Jasmine and Karma on the frontend
- Estimate engineering efforts in order to estimate realistic schedules and plans using agile methodology
- Coordinate with backend team API consumption requirements
- Deployment process related with Docker, Jenkins and Github
- Develop backend code related with microservices using JAVA and Spring Boot
- Develop backend code related with datasets using Python
- CI/CD using cloud native stack, build on AWS
- I performed as Digital architect and supply chain team leader at Bestbuy with the project: Open Box project.
- Participates in all Agile ceremonies, including Sprint Planning, SCRUM, and Retrospectives

Technical Platform:

Phyton, Java, Angular, React, Node, Typescript (MEAN), JavaScript, Bootstrap, Sass, Web services development and API consumption. Docker, Jenkins, Github, AWS.

CVS, Pittsburgh

January - December 2018

FrontEnd team leader, FullStack Developer

Description: As a part of a great team of 60 developers on site and offshore (India) 24/7 under agile methodology we developed a system that provides medicines to patients in order to satisfy their demands as fast as possible, this kind of medicine has a high cost to terminal diseases.

Responsibilities

- Frontend architecture definition using Angular 6
- Wireframe development using Axure
- Code development of components and services
- Collaborate with and across Agile teams to design, develop, test, implement, and support technical solutions in full-stack development tools and technologies
- Coordinate of a team of 60 developers on site and offshore (India) 24/7 under agile methodology.
- Development of supply chain application for CVS Pharmacy in order to satisfy the increasing demand of medicine in retail branch
- Participates in all Agile ceremonies, including Sprint Planning, SCRUM, and Retrospectives

Technical Platform:

.NET, Angular 6, Node, Typescript, Ionic, JavaScript, Bootstrap, Sass, API Development and consumption

Ericsson, Silicon Valley

September 2017 - January 2018

FrontEnd team leader, FullStack Developer

Description: Unified Development Network. Reactive web application related with ticket control and issue rate solving on the **UDN** with a clean and maintainable use of components across the application so it can perform fast and in a responsive way.

Responsibilities

- Coordinate of requests directly from the business department under an agile methodology and development of responsive web applications related with UDN (Unified Development Network).
- Code, test and analyze application software.
- Improve existing code to ensure optimal functionality between components
- Interpret wireframes and designs, translating them into quality code
- Participates in all Agile ceremonies, including Sprint Planning, SCRUM, and Retrospectives

Technical Platform:

Java, React, Node, Typescript, Lodash, JavaScript, Bootstrap, Css3, Web services and Amazon Web Services

Live Oak Bank, North Carolina

February 2017 - September 2017

FullStack Developer

Description: Create deposit and loan projects in Salesforce. Improved the user experience by 25%. . Used React as a front-end framework and followed the MVC patterns to consume AWS web services. Backend using Apex.

Responsibilities

- Developing deposit-and-loan projects in Salesforce to create an amazing user experience, using Angular as a front-End framework and following MVC patterns to consume web services from AWS. Backend using Apex

Technical Platform:

Java, Angular, JavaScript, Css3, Web services and Amazon Web Services.

SAP Montreal, Canada

September 2016 – January 2017

SAPUI5 Front-end Developer

Description: Enhanced the locomotive maintenance sector +20%. Developed an application that solves the locomotive assignments for the maintenance shop, defines when it will be repaired, by whom and records all repair costs to be used.

Responsibilities

- Locomotives application, using MVC pattern and sapui5 framework to collaborate with an international team (Canada, USA, México, India) that's working 24/7.
- Write well-documented code and follow established practices and coding standards
- Create and maintain software documentation
- Participates in all Agile ceremonies, including Sprint Planning, SCRUM, and Retrospectives.

Technical Platform:

SAPUI5, Html5, JavaScript, Java, Css3, Git, Web Services consumption.

UX Front-End Developer

Description: Create two online banks in record time using CSS precompilers, under an innovative framework of Chinese origin (Dojo), the new application was connected to Banorte's production environment. Backend development.

Responsibilities

- Take requirements from business directors and accept challenges like releasing systems on an aggressive deadline
- Design a technical solution that enables to deploy two banking sites on a single effort using CSS precompilers
- Coordinate onsite frontend team and update progress with offshore team
- Guide the work team in the configuration of CSS styles at an advanced level and in the use of the Dojo Framework

Technical Platform:

Rational Application Developer for Web Sphere, HTML5, Dojo, CSS, .less, JavaScript.

Languages: Spanish (native), English, French

EDUCATION AND CERTIFICATION

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|---|--------------|
| • Real Estate License, Collin College | Plano, Texas |
| • Angular Certification by testDome | Online |
| • Bachelor of Economics by UNAM | Mexico City |
| • PHP Programming Language by D.G.S.C.A. UNAM | Mexico City |
| • Hackathon: EarthX Mexico - Third place prize: Agriculture Project | Mexico City |

Licenses & Certifications

- **Certified Angular And Typescript Developer** – Test-Dome
- **Certified Blockchain Developer** – Blockchain Council
- **Certified Professional Communication Coach** – Ministry of Labor and Social Welfare in México

Volunteer Experience

Mentor - Abracalibro

June 2017 – Present

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.

Recommendations

Kirti Snigdha, Data Scientist, Ph.D. Cancer genetics

"I worked with Jacob for a year. He is a very dedicated, sincere person. He spent time understanding the requirements of the project, took detailed notes regarding the next action and gave timely progress reports. He is a very creative person too which I noticed during the UI designing and development. Overall, I have found working with Jacob a pleasant experience. He is easy to get along with, friendly, pushes through during crunch times and tackles difficult tasks with ease. He will be a great addition to any team."

Israel Escobedo, MBA

Project Manager/ PMO | SCRUM Master

"Felipe is the kind of person that makes the difference in a corporation, besides I can bear out the wide knowledge on web technologies like Angular, Php and Java, he has a born talent as a developer, like solving code problems and analytical. On the other hand, he is an easygoing person with a great attitude. Definitely I widely recommend him"

Surya Jayanti, Lead Java Developer

"It is rare to come across talent like Felipe. I have had chance to work with Felipe on multiple projects. He is an expert when it comes to client requirement analysis. He can handle toughest clients effortlessly explaining them, requirement feasibility and excels in rapid development environment. Felipe's work has made complex implementations look so small and his insight into project design and overall domain knowledge makes him a great asset and a great leader to any team."

Salvador Rios L., Web Developer.

"Felipe's passion for both web development and communication has been evident in every project he's been a part of. His ability to teach and mentor others is unmatched. As a student of Texas-Academy, I gained not only the coding skills I needed but also the communication skills to confidently negotiate my salary and handle workplace conflicts. His approach is holistic and deeply effective." —.