# Joseph Baeza

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## Professional Summary

Software engineering student at UT Arlington with hands-on experience building and deploying full-stack web applications, SaaS platforms, and automated backend systems. Developed a live AI governance platform that won **$11,000** in competitive funding; currently interning as a lead software engineer building production tools used by real estate agents. Comfortable across the full stack with a focus on clean APIs, real data, and shipped products.

## Education

**University of Texas at Arlington** Arlington, TX

*B.S. in Software Engineering, Expected December 2026*

- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Artificial Intelligence, Object-Oriented Software Engineering, Software Testing & Maintenance, Database Systems, Computer Networks, Programming Languages, Fundamentals of Software Engineering
- President - Bass Fishing Club

## Experience

**Lead Software Engineer Intern** April 2026 – Present

*Texas Real Estate Partners* *Arlington, TX*

- Built and deployed a GoHighLevel CRM pipeline consolidating **150+ leads** into a single automated system, reducing agent lead response time by **35%** and tracking **$750K+** in active listing value
- Developed a mobile-first vendor directory web app (React, Supabase, Vercel) for a real estate brokerage, implementing Row Level Security-enforced role-based access so agents can search and review vetted vendors while only admins manage data
- Launched an agent leaderboard with an activity-based points system and automated weekly/monthly performance emails, deployed across all **5-10 agents** in the brokerage to encourage consistent CRM usage

**Realtor** April 2023 – April 2025

*Century 21* *Mansfield, TX*

- Facilitated **$1.5M+** in total real estate transaction value by guiding buyers, sellers, and renters through end-to-end transactions
- Negotiated purchase agreements and coordinated with **5+** cross-functional stakeholders per transaction to ensure timely and compliant closings

## Projects

**TrustFabric** | trustfabric.vercel.app – *AI Governance SaaS Platform* January 2026 – Present

- Won **$1,000** (Phase 1) and **$10,000** (Phase 2) from UTA's MavPitch entrepreneurship competition, selected from **800+** applicants, for a live, deployed AI governance SaaS platform
- Built a multi-tenant SaaS platform using FastAPI and Next.js for AI system inventory, risk classification, and governance tracking aligned to the NIST AI Risk Management Framework
- Implemented a copilot feature routing AI recommendations through OpenAI, Gemini, and Claude APIs with automatic provider failover and organization-scoped Firestore data isolation
- Integrated GitHub and Slack connectors with real-time notifications for audit events and automated governance workflows

**Calorie Tracker** – *Android App* August 2025 – December 2025

- Built an Android calorie-tracking app in Android Studio using Java with food logging, daily intake tracking, and nutritional summaries in a **5-person** Agile team
- Integrated Firebase and Firebase Authentication to enable secure user login and real-time persistent storage of calorie and nutrition data across sessions
- Incorporated feedback from **40+ peer reviewers** to iterate on UI, code quality, and maintainability across multiple release cycles

## Skills

**Programming**: JavaScript, TypeScript, Python, Java, SQL, C, C++, COBOL
**Frameworks & Libraries**: Next.js, FastAPI, Spring Boot, Maven, Gradle, Beautiful Soup, Pandas, Matplotlib, JUnit
**Databases & Tools**: PostgreSQL, MySQL, MongoDB, Firestore, Git, Docker, Github Actions, Google Cloud Platform, OpenAI API, Postman, Jira, XAMPP, Figma
Concepts: REST APIs, CI/CD, Agile Methodology, Scrum, OOP, Automated Workflows
**Environments**: IBM Mainframe (z/OS, ISPF, SDSF)
**Productivity Tools**: Microsoft Office, Google Suite