

Alfredo Garza (Senior Software Engineer)

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△ SUMMARY

Experienced Full-Stack Engineer with over 10 years of expertise in building scalable web applications using **.NET, C#, Spring Boot, Java, Python, Flask, Django** and modern JavaScript frameworks like **React, Next.js** and **Vue**. Proficient in developing both server-side logic and frontend UIs, with deep experience in cloud infrastructure (**AWS, Azure**), **microservices**, and **DevOps** tools. Passionate about crafting optimized, high-performing, and user-friendly applications.

△ SKILLS

Language : C, C++, Javascript, Python, Java, C#.

Frontend: HTML, CSS, **JavaScript, Typescript**, React.js, Next.js, Vue.js, Bootstrap, Tailwind CSS, Redux, Vuex.

Backend: **Java**, Spring Boot, **Python**, Flask, Django, **C#**, ASP.NET Core, .NET 6/7/8, Web API, Entity Framework Core, Node.js/Express.

Microservices: Webpack, .NET CLI, Docker, Kubernetes, Kafka, RabbitMQ, Redis.

Database: MySQL, PostgreSQL, MongoDB.

Testing Frameworks: Unit testing (Jest), E2E testing (Cypress, Playwright)

Other: REST APIs, GraphQL, Unit Testing, Agile/Scrum.

Cloud/DevOps: AWS, Azure, Docker, Kubernetes, Jenkins, Git.

△ PROFESSIONAL EXPERIENCE

PMAT, Inc - Senior Full-stack Engineer | May 2021 – September 2024 | Norfolk, Virginia

- **Main Project:** Developed **Mission** from scratch, a platform providing real-time information on aircraft, airports, and climate conditions for pilots.
- **Responsibilities:**
 - **Microservices Architecture:** Designed and implemented using **Webpack**, significantly improving the system's modularity, maintainability, and scalability.
 - **Full-Stack Development:** Developed both frontend and backend components using several frameworks, delivering a seamless, high-performance user experience that met stakeholder requirements.
 - **CI/CD Automation:** Implemented pipelines with **Docker** and **Kubernetes**, automating deployments and reducing release cycles by 30%, leading to faster product iterations and reliability.
 - **Cross-Functional Collaboration:** Worked closely with teams to define project requirements and deliver critical features, playing a key role in **Agile** sprints and milestone achievements.
 - **Core Engineering Leadership:** As a founding member, built essential systems from scratch, setting the technical foundation for long-term project success.
 - **Mentorship & Leadership:** Led and mentored other engineers, guiding technical decisions, fostering a culture of learning, and ensuring adherence to best practices in code quality, performance, and scalability.

Netlify - Full-stack Engineer | June 2017 – April 2021 | San Francisco, California

- **Main Project:** Developed and maintained the **Netlify Own Dashboard**, a platform for controlling and managing all projects deployed in Netlify's cloud services.
- **Responsibilities:**
 - API Optimization:** Optimized API performance by implementing **RESTful APIs** and **GraphQL**, improving data retrieval and reducing latency.
 - Database Migration:** Led the migration from **SQL** to **NoSQL**, resulting in improved scalability and flexibility in handling data.
 - Cloud Service Deployment:** Deployed and managed cloud services on the **Netlify** platform, ensuring reliable and efficient infrastructure.
 - Performance Enhancements:** Boosted application performance and scalability by integrating **Redis**, **Kafka**, and **RabbitMQ** for distributed caching and messaging.

Life On Air, Inc - Frontend Engineer | May 2013 – May 2017 | San Francisco, California

- **Main Project:** Developed **HouseParty**, a community and video chat platform hosted on the **Heroku cloud service platform**.
- **Responsibilities:**
 - **Frontend Development:** Used **React** to implement pixel-perfect **UX/UI** designs in close collaboration with the design team, ensuring a seamless user experience.
 - **Real-Time Communication:** Integrated **WebSocket** and **WebRTC** technologies to enable efficient real-time chat and video communications.
 - **Cloud Integration:** Deployed and managed the platform on **Heroku**, ensuring scalability and performance for high user traffic.

△ EDUCATION

THE TEXAS TECH UNIVERSITY - *Bachelor of Computer Science* 2009 - 2013