DIEGO TELLEZ

Senior Software Engineer | Applied AI | Distributed Systems

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PROFILE

Senior Software Engineer specializing in distributed systems, applied AI, cloud infrastructure, and backend platforms. Shipped production NLP, GenAI, and RAG services; architected systems supporting hundreds of thousands of players; reduced AWS costs by $50K/year; and owned products end-to-end from technical design through release.

CORE SKILLS

Languages: Python, TypeScript, C#, Java, Scala, C++
AI / Backend: GenAI, RAG, NLP, AI Agents, ML/DL pipelines, model serving, FastAPI, Flask, Spring Boot, NestJS, .NET
Cloud / Systems: AWS, Azure, GCP, Docker, Kubernetes, Kafka, RabbitMQ, Linux, GitHub Actions, Jenkins, CI/CD
Data / Frontend: PostgreSQL, MySQL, MongoDB, Redis | React, React Native, Angular, Vue.js

EXPERIENCE

Founder & Lead Software Engineer | Silent Tide Software - Echoes of the Cove Nov 2024 - Present

- Architect and develop a commercial cross-platform 2D action RPG for Steam in C# on a custom MonoGame-based engine; own architecture, optimization, production planning, and release.
- Built engine systems and tooling for scripting, AI behavior, physics, data-driven gameplay, profiling, QA, and automated build/release workflows.

AI Software Engineer | Carina AI Studio Jun 2025 - Oct 2025

- Built high-performance FastAPI services exposing AI models and engineered automated ML/DL training, validation, serving, deployment, and monitoring workflows on AWS with Docker, Kubernetes, and GitHub Actions.

Senior Backend Engineer | UnusuAll Dec 2024 - Jun 2025

- Designed and maintained scalable distributed backend systems supporting hundreds of thousands of players, with performance, reliability, and fault tolerance as core requirements.

AI Applications Engineer | LanguageWire Apr 2024 - Dec 2024

- Developed and deployed production NLP, GenAI, and RAG microservices and APIs in cross-functional product environments.

Full Stack Engineer / Junior Solutions Architect | Stuart Delivery Feb 2022 - Mar 2024

- Progressed from Solutions Architecture to Full Stack Engineering across platform reliability, experimentation, security, backend systems, and developer tooling.
- Led a database cleanup initiative reducing AWS costs by $50,000/year; also built A/B-test bucketing algorithms, secure service-to-service libraries, Grafana automation, CI/CD improvements, and backend services.

SELECTED PRODUCTS

The Intellect Hub | Creator & Developer 2024 - 2025

- Built and launched an AI-driven education platform using Gemini API for personalized learning paths and intelligent content curation; recognized by the Google AI Developer Competition.

Focus Time Only | Creator & iOS Developer 2025 - 2026

- Designed, developed, and published a privacy-first iOS productivity app combining Pomodoro workflows, face-down detection, and on-device AI-generated motivational content with no user-data collection.

EDUCATION & CERTIFICATIONS

BSc in Computer Science & Software Engineering - Universidad Internacional de Valencia, 2019 - 2022
Edge AI (TinyML) Professional Certificate - Harvard University, 2023
AI Agents - Hugging Face, 2025
Master's in Nautical Engineering & Management - Universidad de Cantabria, 2018 - 2019