

Adrián Mercado Martínez

Senior Software Developer & Architect

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Location: Mexico City | **Languages:** Spanish (Native), English (C2)

Professional Profile

Systems Engineer and Architect with over 14 years of specialized experience in robust backend development, software architecture, security, and organizational process automation. Proven track record of actively driving technological innovation and AI integration, including designing advanced intelligent agent orchestration platforms and automation tools built to accelerate software initialization via multi-LLM architectures. Expert at translating complex business rules into highly efficient, scalable, and secure technical solutions.

Technical Skills

- **Backend & Architecture:** Node.js (ES Modules), Express, PHP (Laravel, Symfony), Python (Django), C#.
- **Innovation, AI & Agents:** Agent Orchestration Platforms, Software Bootstrapping & Automation (Scaffolding/MVPs), AWS Bedrock, Anthropic (Claude), OpenAI, Google AI.
- **Databases:** PostgreSQL, MongoDB, MySQL, Oracle SQL, Microsoft SQL.
- **Cloud, DevOps & Security:** AWS, Docker, CI/CD (GitHub Actions), Google Cloud Platform (Buckets, Workspaces), Corporate Security & Identity Policies, System Monitoring & Control.
- **Real-Time & Frontend:** Socket.io, WebRTC, JavaScript (ES6+), HTML5/CSS3, PWA.

Professional Experience

Grupo Salinas | *Emerging Technologies Developer*

May 2025 – Present

- **Agent Control & Orchestration Innovation:** Actively participated in the company's technological innovation process by driving the technical design of an advanced platform for monitoring, controlling, and managing AI agents. Utilized multi-provider solutions including **AWS Bedrock** and **Anthropic** models to ensure proper system tracking and oversight.
- **Project Automation & Acceleration System:** Conceptualized and developed an ecosystem to automate the initial stages of the software development lifecycle (SDLC). The system processes digital requirement gathering and automatically generates

foundational software artifacts, serving as an intelligent boilerplate/scaffolding for development teams to kickstart applications.

- **Technical Management & Leadership:** Coordinated and managed the development team responsible for implementing these emerging tech initiatives, overseeing code quality and AI architecture integrations.
- **Key Impact:** Drastically reduced boot times for new software developments, enabling the organization and its engineering teams to accelerate project rollouts and deliver rapid MVPs (Minimum Viable Products) to clients.

Cohacer | *IT Coordinator / Software Architect*

March 2024 – May 2025

- **Process Platform Design:** Designed and built the architecture of an end-to-end platform for managing candidate and corporate workflows (including enrollment, document upload/review, attendance tracking, exam simulations, and AI-powered in-person exam monitoring).
- **Automation & AI Integration:** Implemented Google AI and OpenAI models to optimize document auditing, automated generation of practical case studies, and dynamic resume/report creation.
- **Security & Governance:** Authored and implemented corporate digital security policies, established standard operating procedures (SOPs) for development workflows, and integrated Google Workspaces as the core identity management layer.
- **Key Achievements:**
 - **Reduced candidate processing and response times by 90%**, significantly increasing operational efficiency.
 - The platform's efficiency was a decisive factor in the company being awarded the **Walmart “Best Supplier 2024”** recognition.

Grupo Estrella (*Subsidiary of Illinois Casualty Company*) | *Senior Developer*

May 2022 – March 2024

- **Loss Control System (PWA):** Developed a Progressive Web Application with critical offline capabilities (utilizing IndexedDB and CacheStorage) for field risk managers, ensuring seamless data synchronization once internet connectivity was restored.
- **Geometric & Document Module:** Designed a custom embedded module for technical blueprint sketching, automatic area calculations, and asynchronous PDF report rendering.

Siorbita | *Technology Consultant / Lead Developer*

February 2015 – April 2022

- Provided technical direction and hands-on execution for over 100 tailored projects for a diverse portfolio of clients, focusing on solving corporate operational bottlenecks.

- **SABIC (via Goblin Creative/McCann):** Developed modular WebParts in SharePoint for internal content management. Collaborated directly with the IT infrastructure team to align developments with strict corporate security compliance, achieving successful migration from QA to production environments.
- **FEMSA (via Consultores Certificados/HENKO):** Built a web application for internal 360-degree evaluation data capture and developed a PHP-based engine for high-volume automated PDF report generation.
- **ACDelco (via Goblin Creative/McCann):** Developed a cross-platform mobile application for generating quotes, featuring geolocation integration through Google Maps API.

Levelblue | Senior Developer

January 2014 – February 2015

- **Delivery Management Application (Banamex):** Designed the backend architecture and API integrations for credit card delivery logistics and route optimization using Google Maps.
- **Key Achievement:** Completed and delivered the first operational version within a record timeframe of one month; the system remained highly stable and ran without requiring core modifications for the following two years.

América Viva | Junior Developer

October 2011 – July 2012

- **Multi-Level Management System:** Developed a platform for airtime card inventory tracking, user registration, and payment management deployed across multiple Latin American countries, automating real-time data replication across regional servers.

Education

- **Bachelor's Degree in Computer Systems**
Instituto Ejecutivo Mexicano

Professional References

- **Company:** Goblin Creative
Reference: Kevin Nyssen Gonzalez (General Director)
Phone: +52 55 3988 5529 | **Email:** kevinnyssen@goblincreative.com
- **Company:** América Viva
Reference: Josué Alfredo Varela Romero (General Director)
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