

Principal / Staff Software Engineer

Cloud · AI · Full-Stack · Healthcare, E-Commerce & Enterprise

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BACKEND

FRONTEND

CLOUD

DATABASES

AI

ANALYTICS

AUTOMATION

ARCHITECTURE

DEVOPS

14+ Years

20k+ Patients

+30% E-Commerce

60% Faster Ops

Live SaaS Products

PROFILE

I design platforms, architect systems, and ship production software — not demos.

Full-Stack Engineer with 14+ years delivering healthcare, e-commerce, and enterprise platforms at scale. Core depth in **backend architecture** (~70%); strong **frontend** delivery across **Blazor** and **React**. I modernize legacy systems, lead migrations, and build independent SaaS products — applying **AI** daily with senior engineering judgment.

EXPERIENCE

- Tata Consultancy Services — Humana Inc

Feb 2022 — Present

Senior Full-Stack Developer · Healthcare · ~25% FE / ~75% BE

 - Architected** cloud platform modernization on **Azure** and **GCP** — migrating enterprise healthcare into scalable, integration-ready services.
 - Designed REST/SOAP APIs** for clinical systems; consumed from responsive **JavaScript** frontends.
 - Implemented CI/CD** with automated security validation; **optimized MongoDB** for Humana-scale production reliability.
- Reina Madre

Oct 2020 — Feb 2022

Full-Stack Developer · Healthcare

 - Modernized** legacy clinic systems to **microservices** — 20,000+ patients, **60% faster** processing.
 - Built** clinic commerce: online appointments, service catalog, and patient-facing platforms.
 - Integrated** MindBody, Zoho, and Medical Manik for appointments, services, and operational sync.
- Arabela Holding

Aug 2015 — Nov 2019

Senior Development Analyst · High-Traffic E-Commerce

 - Led** e-commerce modernization — catalog, checkout, inventory APIs; **+30% online sales**.
 - Built** high-traffic retail platforms with real-time inventory sync and reusable **UI components**.
 - Delivered SSIS** pipelines and **SQL Server** reporting for enterprise commerce **analytics**.
- Coca-Cola FEMSA

Jun 2013 — Aug 2015

Development Analyst · National Operations

 - Modernized** operations platform — monitoring **APIs**, **BI dashboards**; **30% fewer** operational errors.
 - Integrated** warehouse, quality-control, and logistics across national manufacturing workflows.
- Contraloría de Gobierno del Estado de México

Mar 2012 — Jun 2013

Head of Supervision Advancement · Government

 - Designed** and delivered **Oracle**-backed government process applications for operational workflows.

FEATURED PRODUCTS

ENGINEERING STACK

.NET

C#

PHP

JavaScript

React · TS

Next.js

Blazor

REST APIs

AI

AI ENGINEERING

Cursor

Antigravity

Claude Code

GitHub Copilot

ChatGPT

Gemini

Ollama

CLOUD & DEVOPS

Azure

GCP

Azure DevOps

GitHub

Cloudflare

ANALYTICS & PERFORMANCE

Google Analytics 4

Microsoft Clarity

Google Tag Manager

Lighthouse

Core Web Vitals

Technical SEO

Graphify

DATABASES

SQL Server

MySQL

MongoDB

Oracle

AUTOMATION

OCR Pipelines

Workflow Engines

Task Automation

ARCHITECTURE

Microservices

System Design

API-First

Security Patterns

INNOVATION & CONTINUOUS LEARNING

CLUTCHMX — Sports-tech SaaS

League Ops

Multi-role

CLUTCHMX Founder · Live

Sports-Tech SaaS — league operations, OCR game sheets, scheduling, analytics dashboards.

Game-sheet OCR

League Ops

Live Standings

Scheduling

jetzael.com Founder · Live

Production platform — responsive UI, reusable components, Context API.

Responsive UI

i18n

Core Web Vitals

Flower Shop Platform Product Engineer

E-commerce catalog, ordering, and inventory management for retail flower operations.

E-commerce UI

Order APIs

Inventory

Tattoo Studio Platform Product Engineer

Appointments, artist scheduling, service catalog, and client workflows.

REST APIs

Scheduling UI

Workflows

AI Prediction Platform Product Engineer

AI-assisted prediction engine with data pipelines and user-facing insights.

ML Models

Data Pipelines

Insights UI

☆ CLUTCHMX — Flagship SaaS

LIVE

Founder & Lead Engineer · [clutch-mx.org](#) · ~40% FE / ~60% BE

8+ Modules

5+ Roles

OCR Pipeline

CI/CD

- Architected** end-to-end SaaS — **OCR ingestion**, scheduling, standings, multi-role dashboards, **Blazor/MAUI**, and **Azure CI/CD**.
- Delivered** production sports-tech operations used for real league management — not a prototype.

AI Prediction Platform

ML Workflows

Data Pipelines

Flower Shop Platform

E-commerce

Inventory

Tattoo Studio Platform

Scheduling

Service Catalog

OCR Platform

Document Ingestion

Validation Queues

Healthcare Platform

Clinic Ops

Appointments

Restaurant Platform

Operations

Dashboards

AI Automation

Copilots

Workflows

Local LLMs

On-device AI

Local Inference

SEO & Web Performance

Core Web Vitals

Optimization

Analytics

Instrumentation

User Insights

ENGINEERING PHILOSOPHY

Daily AI-assisted practice with senior oversight — architecture through production release.

- Architecture** & refactoring
- Testing, debugging & security reviews
- Rapid prototyping & documentation
- Ship production software — not demos

EDUCATION

Instituto Tecnológico de Toluca

B.S. Computer Engineering · Dec 2011

Spanish (Native) · English (Professional)