

JORGE GONZALEZ ALVARADO

[Guadalajara, Jalisco](#) | [+52 384 104 7758](#) | jorgeglez.alva94@gmail.com
linkedin.com/in/jorgeglez12 | github.com/yorkglez | jorge-gonzalez.dev

PROFESSIONAL SUMMARY

Software Engineer with over 5 years of experience designing and building high-impact enterprise and government web platforms. Specialized in .NET Blazor, Angular, NestJS and PostgreSQL, with experience in REST API architecture, batch data processing, serverless deployments on AWS Lambda and CI/CD pipelines. Experienced in microservices architectures, enterprise system integrations and query optimization in PostgreSQL and SQL Server, delivering scalable and reliable solutions aligned with business goals.

EXPERIENCE

STRATECH GLOBAL Mexico City (Remote) | November 2024 – March 2026

Software Engineer | November 2024 – December 2024

- Designed and developed serverless functions in AWS Lambda for the generation and export of audience analytics reports for digital advertising screens, integrating API Gateway, SQS, PostgreSQL stored procedures and storage in S3.
- Implemented automated report generation and periodic delivery using Hangfire, reducing manual intervention and improving the distribution of analytics data for internal consumption.
- Developed an internal web platform for tracking and managing product shipment orders using .NET Blazor, Razor, and SQL Server, enabling efficient management of logistics processes.
- Developed an internal web platform with .NET Blazor and SQL Server for tracking and managing product shipping orders and logistics processes, integrating it with SAP billing systems for data synchronization and administrative workflow automation, deployed on Microsoft Azure managing the application server and cloud database to ensure availability and scalability in production.

Technical Lead | December 2024 – March 2026

- Led the development team in building an enterprise analytics platform with .NET Blazor and SQL Server to measure user interactions in physical stores at Farmacias del Ahorro, defining the technical architecture, making key decisions for scalability and optimizing queries and stored procedures. Coordinated sprints, deliverables and code reviews under Scrum, and supervised deployments on AWS with Amazon ECR and App Runner.
- Developed and implemented an analytics dashboard with .NET Blazor and Syncfusion, integrating Dapper as a micro-ORM to optimize data serialization and mapping to .NET objects, and Hangfire for automated background report generation, storing them in Amazon S3 and distributing them via email.
- Developed a reusable .NET API Gateway on AWS for integration with the Nsign platform, supporting client-based queries and real-time device status, with secure authentication using AWS Cognito.

- Developed an internal ticket management platform with a WhatsApp chatbot for automated request intake, deployed on AWS using Amazon ECR and App Runner.
- Designed and implemented two .NET services for receiving and deserializing multicast packets via sockets for the Mexican Stock Exchange (BMV), distributing real-time market data via SignalR to a 360° indoor screen and a 180° outdoor panel, running as Windows Services 24/7 with auto-recovery, log management and automatic email notifications for critical errors or system failures.
- Developed two web applets with JavaScript, HTML and CSS integrated with Nsign and SignalR for the Mexican Stock Exchange (BMV), one for the indoor office screen and one for the outdoor panel visible to the public, displaying real-time market data, currencies and news. Both applets retrieve data via SignalR, are self-sufficient during connection losses and include mechanisms to prevent blank screens, ensuring continuous display for both internal staff and the general public.

SONETASOT MEXICO Guadalajara, Jalisco (On-site) | September 2022 - August 2024
 Software Engineer | September 2022 - May 2023

- Developed the ADN Centro Histórico Jalisco platform with Angular and Ngx-Charts, implementing heat maps to analyze device concurrency on the public Jalisco WiFi network, including historical connection metrics, peak hour identification and highest traffic days.
- Automated the data migration of over 100 Jalisco Government web portals using Python scripts with web scraping, transforming and loading the data in JSON format into PostgreSQL databases. Also implemented content management modules in Angular integrated with the Wagtail CMS.
- Developed the internal case management platform for the Jalisco State Attorney General's Office with a microservices architecture using Lumen, PostgreSQL, Angular and Tailwind CSS, deployed with Docker and Nginx on Linux environments.

Technical Lead | May 2023 – August 2024

- Led the development team for Jalisco Government web portals, managing projects with Scrum and Jira, supervising code quality through code reviews and maintaining direct communication with the client to ensure deliverables aligned with business requirements.
- Developed the student social service web platform for the registration and tracking of student processes in Guadalajara, using Angular, Tailwind CSS, NestJS, PostgreSQL and AWS S3, with email generation and document export via Lumen, deployed on AWS EC2 with Docker and Nginx.
- Developed the OSC Jalisco platform implementing a dynamic modular system capable of automatically generating complete modules from models and forms, reducing development time by 70% by eliminating repetitive code in complex forms. Built with Angular, NestJS and Lumen, deployed on AWS EC2 with Docker and Nginx.

BLUEDROP MEXICO Ahualulco, Jalisco (On-site) | May 2021 – August 2022

Software Engineer

- Developed the company's main website using Angular, Laravel and SQL Server.
- Automated key business processes using Power Automate, optimizing chemical inventory management and vehicle entry/exit tracking, centralizing data in SQL Server on AWS RDS and visualizing it through Power BI dashboards for analysis and decision-making.
- Developed an internal platform for managing agricultural chemical recipes using Angular, Laravel and Amazon S3, automating request, approval and delivery workflows, with documentation and audit trail generation, eliminating paper-based processes and reducing human errors in data entry.
- Developed a platform for managing the full avocado farming lifecycle (production → sales) using Angular, Laravel and MongoDB, digitizing paper-based processes and implementing stage and department workflows. Each batch had a unique QR code for incident tracking and history, deployed on AWS (S3, EC2) with Nginx.

EDUCATION

Generation Bootcamp — Java Full Stack Developer | September 2019 – January 2020
Spring Boot · HTML5 · CSS · JavaScript · SQL Server · Scrum

Systems Engineering | August 2014 – July 2019
Tecnológico Superior de Jalisco Campus Tala

TECHNICAL SKILLS

Languages and Technologies

Languages: C#, TypeScript, JavaScript, Python, PHP, Java

Databases: PostgreSQL, SQL Server, MySQL, SQL Lite, MongoDB

Cloud/DevOps: AWS Lambda, API Gateway, App Runner, S3, ECR, Cognito, RDS, Azure DevOps, Docker, Git

IA Tools: Claude Code, Copilot, Cursor

Operative Systems: Linux

Frameworks and Libraries

Frontend: Angular, React, Net Blazor, Tailwind CSS, Bootstrap, Material UI

Backend: NestJS, Express, Laravel, Lumen, Spring Boot, Django, FastAPI

Libraries: Synfusion, Dapper, Entity Framework, JQuery, Angular Material

LENGUAJES

- Spanish — Native
- English — Intermediate

SOFT SKILLS

Leadership | Decision Making | Stakeholder Communication | Teamwork | Adaptability
| Initiative | Team Mentoring | Continuous Learning