

# Eduardo Antonio Saavedra Quijada

Sonora, México · [www.linkedin.com/in/chelalo](https://www.linkedin.com/in/chelalo) · [github.com/zchelalo](https://github.com/zchelalo) · [chelalo.me](https://chelalo.me) · +52 631 105 6307 ·  
eduardosaavedra687@gmail.com

## SUMMARY

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Extensive knowledge developing REST APIs.  
Knowledge of multiple programming languages (Go, JavaScript/TypeScript).  
Microservices Enthusiastic (Docker and Docker Compose).  
Cloud Enthusiast (AWS).  
CI/CD Enthusiast (GitHub Actions and Newman for testing).

## TECHNICAL SKILLS

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### Languages

JavaScript, TypeScript, Go

### Databases

PostgreSQL, MySQL, MongoDB

### Operating Systems

Linux (Ubuntu)

### Tools

Docker, Docker Compose, Git, GitHub Actions, AWS

## WORK EXPERIENCE

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### NGX Networks

Software Engineer

Sonora, México

February 2025 – May 2025

- Designed and developed a web application to monitor various servers.
- Created a proxy server to enable seamless interaction with an API.
- Developed a cross-platform mobile application for a client portal.

### Under Apps Systems

Software Engineer

Sonora, México

September 2023 – Oct 2024

- Maintained and fixed bugs in various microservices.
- Developed endpoints in Node.js using JavaScript and TypeScript.
- Designed and implemented database schemas.
- Dockerized multiple applications.
- Implemented a reverse proxy with NGINX.
- Wrote unit tests using Jest.
- Documented projects using TypeDoc.
- Automated processes with Bash scripts and entries in package.json.

## PERSONAL EXPERIENCE

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### Saloncito

Go - TypeScript - REST API - Microservices - Docker - Docker Compose - gRPC  
- Newman - GitHub Actions

- Created a reverse proxy using NGINX to route requests to the API Gateway.
- Developed an authentication microservice in TypeScript, implementing JWT-based authorization with refresh tokens.
- Built three additional microservices in Go, each using hexagonal architecture and communicating via gRPC.
- Designed each microservice with its own dedicated database, ensuring service isolation and autonomy.
- Implemented CI/CD pipelines with GitHub Actions to run Postman/Newman tests on all endpoints whenever the main branch is updated.
- Containerized the entire application using Docker, orchestrating all services with Docker Compose.

## **Notitas**

JavaScript - Python - REST API - Docker - Docker Compose

- Configured a reverse proxy using NGINX to route requests to the authentication and backend services (responsible for core business logic).
- Developed an authentication service in JavaScript, implementing JWT-based authorization with refresh tokens and token verification from the backend using JWKS.
- Built a backend service in Python to implement AI features such as text-to-speech and speech-to-text.
- Containerized the entire application with Docker, orchestrating all services using Docker Compose.

## **ACADEMIC BACKGROUND**

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**UNIVERSIDAD TECNOLÓGICA de NOGALES**

**Sonora, México**

*February 2025 – May 2025*

Engineering in Software Development and Management

Honors: First place in academic achievement from start to finish of my studies.

Presented a poster at the COMIA AI event and later showcased it at local schools.