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Full Stack Developer

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ABOUT

From ERP systems and GPS tracking platforms to interbank transfer APIs and cryptocurrency ATMs — I understand the business problem before writing the first line of code. I mainly work with **Go, Node.js, PHP and Java**, moving comfortably between microservices, relational/NoSQL databases, and AWS infrastructure. **+10 years of experience.**

EXPERIENCE

TIDE MX

Full Stack Developer

2023 – Present

Remote

- End-to-end development across multiple enterprise platforms for the company's diverse client portfolio.
- Built VIP lounge management system for 12+ GAP airports — C#/.NET API with SQL Server, Next.js admin panel and lounge desktop app. 15+ modules including reception, kitchen, bar, cashier, reservations, invoicing, Google Wallet and Apple Wallet integration.
- Developed sports betting platform — Java/Spring Boot API, React Native mobile app with in-app purchases and push notifications, Next.js admin panel. Real-time data via StatsCore API integration.
- Built unified payment gateway for third-party integrators — Java/Spring Boot API with MySQL, Next.js admin dashboard, and native iOS (Swift) and Android SDKs. Processes payments for utilities, telecom and transit services with real-time webhooks.
- Developed interbank transfer and cryptocurrency trading platform — Go/Echo API with PostgreSQL and Redis, Flutter mobile app. Real-time transaction processing with multi-layer validation.
- Built cryptocurrency ATM application with direct exchange API integration. Complete buy/sell flow with identity verification.
- Infrastructure with Docker, Bitbucket Pipelines and AWS.
- Leveraged AI-assisted development tools (Claude Code, Kiro CLI, OpenCode) and agent orchestration for task automation and accelerated delivery.

Go Echo C#/.NET Java Spring Boot Next.js React Native Flutter Swift PostgreSQL SQL Server MySQL
Redis Docker AWS Claude Code Kiro CLI OpenCode

Gobierno
Full Stack Developer

2024 – Present
Remote

- Developed web platforms for electoral and organizational management. Built real-time communication systems with React, Node.js and Socket.IO.
- Built geographic routing platform for electoral logistics — Node.js backend with PostgreSQL materialized views and functions, Google Maps geocoding, and Next.js frontend with Leaflet maps. Real-time route optimization and reporting.
- Developed mobile app with Angular, Ionic and Capacitor featuring offline-first architecture with SQLite and barcode scanning.
- Deployed all projects with Docker, Nginx and pm2.
- Leveraged AI-assisted development tools (Claude Code, Kiro CLI, OpenCode) and agent orchestration for task automation and accelerated delivery.

React Node.js Next.js Angular Ionic Capacitor PostgreSQL Leaflet Socket.IO Docker Claude Code Kiro CLI OpenCode

GAIA DESIGN
Developer

2021 – 2023
Remote

- Development in PHP with Symfony and Go with Gin. Built microservices with Sylius, Sonata and Doctrine.
- Optimized concurrent order processing with Go, significantly increasing the volume of simultaneous orders the system could handle.
- Built invoicing modules and integrated metrics tools like Insider for analytics.
- Database management with MySQL, MongoDB, DynamoDB and Redis. Integration with RabbitMQ.
- Deployment with Docker, Jenkins and AWS (EC2, Elastic Beanstalk).

Go Gin PHP Symfony Sylius MySQL MongoDB DynamoDB Redis RabbitMQ Docker AWS

Grupo Carso / Global Hitss
Developer

2020 – 2021
Remote

- Built loosely coupled microservices in PHP with Laminas/Mezzio and Doctrine.
- Developed subscription and email microservices for Claroshop, Sears and Sanborns e-commerce platforms.
- Implemented Redis-based memoization cache layer and managed database migrations across multiple storefronts.
- Data management with Redis, MySQL and MongoDB. Deployment with Docker, Kubernetes and Jenkins.

PHP Mezzio Doctrine Redis MySQL MongoDB Docker Kubernetes Jenkins

VISSAT
Developer Freelance

2018 – Present
Morelia, Mich.

- Built GPS tracking platform with Laravel and Vue.js. UDP/TCP socket communication for GPS unit data processing.
- Real-time vehicle tracking processing thousands of location points per minute. Dashboard with interactive maps and alerts.
- Geographic information management with Google Maps and Leaflet. Deployed on AWS.

Laravel Vue.js MySQL Redis Google Maps Leaflet AWS

Corporación Azul
Senior Web Developer

2018 – 2020
Morelia, Mich.

- Developed modules for an ERP system with PHP and CodeIgniter — inventory, sales and electronic invoicing for business management.
- Built microservices with Node.js and Express. Real-time communication with Socket.IO.
- MySQL database optimization and query tuning reducing load times. Server administration.

PHP CodeIgniter Node.js Express Socket.IO MySQL

Valkiria Agencia Integral
Microservices Developer

2017 – 2018
Morelia, Mich.

- Built consumable microservices for multiple devices. Development with Node.js, Sequelize and Express.
- Storage with MongoDB and deployment on AWS.

Node.js Express Sequelize MongoDB AWS

Cantera Digital
Full Stack Developer

2015 – 2017
Morelia, Mich.

- Custom software development focused on web design. REST APIs with PHP and CodeIgniter.
- Real-time communication with Node.js and Socket.IO. Project management with Jira and GitLab.

PHP CodeIgniter Node.js Socket.IO MySQL

SKILLS

Backend	Go (Echo, Gin, Gorilla Mux) · Node.js (Express, LoopBack, Socket.IO) · TypeScript · PHP (Symfony, Laravel, Mezzio) · C# / .NET · Java (Spring Boot) · Swift
Frontend	React · Vue.js · Next.js · React Native / Expo · Angular / Ionic · Flutter
Databases	PostgreSQL · MySQL · SQL Server · MongoDB · DynamoDB · Redis
DevOps	Docker · Kubernetes · AWS · CI/CD · Linux
Architecture	Microservices · REST APIs · gRPC · Event-Driven · SOLID · SCRUM

EDUCATION

Master's in ICT 2020 – 2022
IEXE Universidad

Technology project management, software architecture and digital transformation.

B.Eng. in ICT 2014 – 2018
Universidad Tecnológica de Morelia

Software development, networking, databases and systems administration.

Associate's in ICT 2014 – 2016
Universidad Tecnológica de Morelia

Programming fundamentals, technical support and IT infrastructure.