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Full Stack Developer

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ABOUT

Over the years I've worked on systems like ERP, GPS tracking platforms, interbank transfer APIs and cryptocurrency ATMs. Before writing a single line of code, I like to really understand the business problem I'm solving. 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 – Aug 2026

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.
- Contributed to **Navi**, Tide's internal AI agent orchestration platform (NestJS, LangChain): system prompts for agents, YAML agent workflows and external tools via **MCP**, with Slack, Telegram and WhatsApp channels.
- Integrated third-party and banking APIs: REST and **SOAP/XML**, **OAuth 2.0**, JWT tokens and API keys, with webhooks.
- 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 REST API SOAP/XML OAuth 2.0 JWT API Keys MCP NestJS Navi System Prompts
Claude Code Kiro CLI OpenCode

GAIA DESIGN

Developer

2021 – 2023

Remote

- Development in PHP with Symfony and Go with Gin. Built REST API 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 REST API 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 REST API Kubernetes Jenkins

VISSAT

Developer Freelance

2018 – 2023

Morelia, Mich.

- Started as a professional project and over time became a personal hobby to keep the Rutas VISSAT app up and running, letting Morelia residents check public transit routes in real time.
- 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

- 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

PERSONAL PROJECTS

hive-am

2026 – Present

Creator, Open Source

github.com/hughcbscr/hive-am

- Published npm package (npmjs.com/package/hive-am): multi-agent control manager for coding agents. Orchestrators and subagents over Claude Code, OpenCode, Kiro and Cursor, with real resumable sessions, a browser UI and server-enforced permission levels. Agents talk to each other: orchestrators delegate to connected workers.
- Agents live in **Telegram** and **Slack**: they listen to the conversation and chime in when asked or when they judge it useful, with per-thread mute, file and image exchange.
- Persistent **memory** (agent notebook), **wake-ups** (reminders and scheduled tasks), and **skills** loaded always or on demand, assignable per agent, type or colony.
- Management of connections and resources (servers, Docker containers, HTTP requests, databases, clusters) with logs, terminals, and a Git changes explorer.

TypeScript Node.js Next.js SQLite MCP AI Agents Telegram Slack

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
AI & Integrations	AI agents · System prompts · MCP · LangChain · SOAP/XML · OAuth 2.0 · JWT · API keys
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.