

HUMBERTO CONTRERAS

NodeJS Backend Developer

📞 818-309-3494 ✉️ humberto.o.contreras@gmail.com 📍 Monterrey, México

EXPERIENCE

Software Engineer

Wizeline

📅 2022 - 2025 📍 Monterrey, Mexico (remote)

Wizeline is a global technology and product consulting firm that helps companies design, build, and scale innovative digital products.

- Supported the final stage of development for Paco El Chato, an educational platform, using **Node.js**, **MongoDB**, and **TypeScript**.
- Led backend development for AvKARE R&S, a replacement platform for user administration, authentication, and authorization in online pharmaceutical sales.
- Contributed to Speedcast's Project Compass, building backend services for customer and user management using **Node.js** and **AWS**.
- Worked on Dow Jones' Allessch backend, resolving links and flattening nested data for consumption by major publications, including The Wall Street Journal.

Senior PHP / NodeJS Developer

Ellipsys

📅 2019 - 2022 📍 Monterrey, México (remote)

Ellipsys is a start-up mainly focused on the distribution of multimedia content through Mobile Network Operators as Value Added Services. We also develop projects ranging from mobile apps to e-commerce solutions.

- Led backend development for a unique-bid auction platform using **Node.js** and **MongoDB**.
- Architected and developed a Mexican e-invoicing solution in **PHP** and **MySQL** that currently serves over **820,000 active users**.
- Designed internal tools to streamline sales logistics for a drop-shipping business and support Magento e-commerce operations.
- Built a **Node.js** Telegram bot to monitor project metrics, track real-time database status, and interact with internal systems.

Senior PHP / NodeJS / Swift Developer

Talely

📅 2017 - 2019 📍 Monterrey, México (remote)

Talely is a technology start up dedicated to develop any kind of web or mobile solutions.

- Rebuilt the backend for a story-sharing **iOS** app for a Denmark-based client, improving performance and scalability.
- Engineered the backend with **Node.js** and **ArangoDB**, and managed containerized development and production environments with **Docker**.
- Integrated **AWS** services including **EC2** and **Cognito** to support hosting, authentication, and user management.

Technology Coordinator

Naranya Group

📅 2002 - 2016 📍 Monterrey, México

Led technical coordination and backend development across internal products and platform initiatives.

- Improved collaboration between Product Managers, Project Managers, and Developers across internal projects.
- Helped manage **AWS** infrastructure for internal projects and supported cost optimization efforts.
- Developed an advertising API that reduced costs by replacing an external provider.

SUMMARY

Senior backend engineer specializing in **Node.js** and scalable API-driven systems, with experience leading development across client platforms in the U.S., Europe, and Latin America. I build and evolve backend architectures using **Node.js**, **MongoDB**, cloud services, and real-time technologies, with a focus on performance, reliability, and maintainable delivery.

SKILLS

Backend Development

Node.js

REST APIs

WebSockets

GraphQL

JavaScript

TypeScript

Authentication & Authorization

Real-time Systems

Databases

MongoDB

MS-SQL

Redis

ArangoDB

MySQL

SQLite

Database Design

Development & Backend Tools

GIT

Linux Servers

AWS

Nginx

Apache

Docker

VIM

CI/CD

API Integrations

Leadership & Collaboration

Project Leadership

Effective Communication

Problem-Solving

Adaptability

Cross-functional Collaboration

LANGUAGES

Spanish

Native ●●●●●

English

Advanced ●●●●●

EXPERIENCE

Senior PHP Developer

📅 2012 - 2014

Developed Naranya ID, that was a platform that unifies the user registration of all our projects and applications created by external parties.

- Developed in PHP, MySQL and using technology solutions from AWS
- Helped to centralize all user data and activity metrics

WAP Lead Developer

📅 2009 - 2012

Led and developed the most successful WAP multimedia market called MovilMarket, which was awarded by Telcel in 2012 as Best WAP site.

- Developed in WAP (Wireless Markup Language), PHP and MySQL
- MovilMarket had over 1 Million active subscribers
- The daily revenue reached over 120K~150K USD

PHP Lead Developer

📅 2004 - 2009

Focused on developing all kind of projects mainly related to TV Shows and castings.

- Collaborated developing BigBrother official website and SMS voting system
- Developed casting websites for TV Shows such as BigBrother, La Academia, Bar Provoca, among others
- Those casting websites reached over 500K~700K user registrations each
- Developed official website for "Gran Hermano Pacífico" a TV Show broadcasted in Ecuador, Chile y Perú
- Developed "Quién Da Menos" in Chile, an auction website where the lowest and unique bid wins

Co-founder / Junior Developer

📅 2002 - 2004 📍 Monterrey, México

Joined Naranya Group to help build early platforms and client solutions across telecom, finance, and web products.

- Helped build Contador Virtual, an online invoicing platform developed with **ASP** and **MS-SQL**.
- Developed Naranya's first SMS service platform integrated with **Telcel**, Mexico's largest mobile carrier.
- Built a CRM solution for a major Mexican bank using **.NET** and **C#**.

EDUCATION

Ingeniero Administrador de Sistemas

Universidad Autónoma de Nuevo León

📍 Monterrey, México

SIDE PROJECTS

Lowest Bid Wins / Owner

📅 2022 📍 Haití

Engineered a Real-Time Reverse Auction Platform for Digicel, the Largest Mobile Network Operator in Haiti.

- Developed using **Node.js**, **MongoDB** and **Web Sockets**
- The project has a website where people can buy credits and bid for their favorite products such as iPad, Apple Watch and MacBook
- Implemented a real-time system using **Web Sockets** to handle bid submissions, instant notifications, and live updates to the Top 10 leaderboard.

Campaign Builder

📅 2021 📍 México

Engineered a digital signage and ad delivery platform that displays targeted video campaigns on in-store monitors.

- Developed a backend system using **Node.js**, **MongoDB**, **Redis**, and **Web Sockets** to push and play real-time video ads
- Integrated a third-party facial recognition API to analyze audience biometrics, including gender, age, and mood
- Designed and built the custom players that rendered the ads on physical displays
- Managed all video content and assets using a cloud storage solution