

JAVIER ANTONIO CUNDAPI TOLEDO

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Professional Summary

Backend Developer with a strong foundation in Software Engineering and hands-on experience building scalable, secure, and high-performance systems. Proficient in designing and deploying microservices architectures, developing RESTful APIs, implementing authentication and authorization protocols, and integrating relational and non-relational databases. Skilled in containerization, API Gateway management, and real-time communication between distributed services. Experienced in applying Machine Learning for anomaly detection and predictive analytics. Passionate about clean architecture, automation, and backend optimization to enhance reliability, maintainability, and efficiency across complex digital platforms.

Skills

Backend Development: RESTful API Design, Microservices Architecture, Event-driven and Asynchronous Systems, WebSockets, Clean Architecture, Domain-Driven Design (DDD), Server-side Logic, Real-time Data Processing, Machine Learning Integration (Anomaly Detection, Predictive Analytics), NLP Metrics Implementation.

Languages and Frameworks: Node.js, TypeScript, Java, Python, Go, Express.js, FastAPI, Spring Boot, Gin, Echo, Laravel.

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB.

Security and Authentication: OAuth2, JWT, Session-based Authentication, Data Encryption, Input Validation, Role-based Access Control.

Messaging and Integration: RabbitMQ, API Gateway (Kong), Service-to-Service Communication.

DevOps and Infrastructure: Docker, CI/CD Pipelines, AWS (EC2, S3, Load Balancer, CloudWatch, IAM), Azure, DigitalOcean, Nginx, Load Balancing, Caching Strategies, Performance Tuning, Git, GitHub, Fundamental AWS Tools.

Soft Skills: Team Collaboration, Problem Solving, Attention to Detail, Continuous Learning, Effective Communication, Workshop Facilitation.

Professional Experience

Teching – Soft Skills Practice Service

Remote

Backend Developer & MLE (FastAPI + Python, Node.js + Express)

Apr 2025 – Jul 2025

- Contributed to the development of a production-ready software platform aimed at enhancing the employability of IT students and professionals through an AI-powered soft skills training solution.
- Designed and implemented a microservices architecture under Domain-Driven Design (DDD), including:
 - **Auth Service** and **Profile Service** built with Node.js + Express using TypeScript.
 - **SkillAssessment**, **Soft-Skills-Practice**, **Data Mining**, and **Interview Ready** built with Python + FastAPI.
- Containerized and deployed services with Docker, managing communication via Kong API Gateway and asynchronous messaging with RabbitMQ.
- Developed a Machine Learning pipeline for anomaly detection using **Isolation Forest** and churn prediction, processing synthetic datasets with 30+ behavioral features per user.
- Implemented an intelligent recommendation system prioritized by risk metrics and a custom recoverability score.
- Integrated MongoDB and PostgreSQL for optimized persistence, ensuring high performance and scalability.
- Achieved **91.2% anomaly detection precision** and **86.8% churn prediction accuracy**, reducing operational costs by 34% through prompt optimization without quality loss.
- Built operational dashboards and KPI tracking for real-time monitoring of system performance and user experience.

Hubbie Platform

Remote

Backend Developer (Go + Gin)

Apr 2024 – September 2024

- Developed the backend of a restaurant ERP system using Go and the Gin framework, delivering scalable services for inventory, user, menu, and order management.
- Maintained and optimized system performance to ensure stability and responsiveness under production loads.
- Created reusable API endpoints aligned with REST principles to support modular and efficient system architecture.
- Collaborated closely with the frontend team to ensure seamless integration and a smooth user experience.
- Contributed to continuous deployment workflows and backend updates in coordination with the devops team.

HIGHTECH Process Counselours

Remote

Software Engineer (Laravel + Fullstack)

May 2023 – July 2024

- Developed fullstack features for a web application using Laravel (PHP), MySQL, and HTML5, enabling client and maintenance management for internal operations.
- Built and optimized RESTful APIs for retrieving, storing, and updating customer and maintenance data.
- Implemented real-time chat and notification systems using WebSockets to improve internal communication.
- Applied middleware and role-based access controls to protect routes and ensure secure authentication flows.
- Designed and integrated frontend views for client data handling, form validation, and dashboard interactions using Blade templates and HTML5.
- Used PostgreSQL in parallel with MySQL to support flexible data storage for different modules of the system.
- Developed additional modules for managing product catalogs, brand registration, image uploads, and new user creation.

Freelance

Remote

Backend Developer (Node.js)

Jan 2023 – May 2023

- Designed and implemented the backend of an IoT-based solar panel monitoring system, enabling real-time visualization of energy metrics, device health, and anomaly detection.
- Developed secure and scalable RESTful APIs with Node.js to manage sensor data ingestion, reporting, and alert mechanisms.
- Utilized WebSockets to stream real-time updates from solar panel controllers to the frontend dashboard.
- Integrated MySQL for structured data storage, optimizing queries for performance and reliability.
- Implemented JWT-based authentication and data validation to ensure secure access to the system.
- Collaborated closely with the frontend team to ensure smooth API integration and a responsive monitoring interface.

PlatinumUPCH

Suchiapa, Chiapas, Mexico

Backend Developer (Go + Gin)

Sep 2022 — Dec 2022

- Developed and maintained backend services using Go and the Gin framework for a university management platform supporting students, faculty, and administrators.
- Implemented RESTful APIs for core functionalities such as user authentication, scheduling, and academic records.
- Integrated relational databases and ensured efficient query handling to support scalable system operations.
- Collaborated with frontend and UX/UI teams to ensure seamless API integration and high performance across modules.
- Applied clean architecture principles and conducted code reviews to maintain code quality and reliability.

Certifications

- AWS Academy Cloud Security Foundations
- Bootcamp Azure AI Engineer Associate by CodigoFacilito (2025)
- Google UX Design Specialization by Google (2024)
- AWS Academy Graduate – Introduction to Cloud (2024)
- Front End Development Libraries by FreeCodeCamp (2023)
- JavaScript Algorithms and Data Structures by FreeCodeCamp (2022)
- Responsive Web Design by FreeCodeCamp (2022)
- Regular Expressions by Platzi (2022)

- Database Fundamentals by Platzi (2022)
- Structured Programming by Platzi (2022)
- Object-Oriented Programming: OOP by Platzi (2022)
- Internet Computer Networks by Platzi (2022)
- Software Engineering Fundamentals by Platzi (2022)

Achievements and Recognitions

- **1st Place** – Talent Land Hackathon (Guadalajara, Jalisco), 2025
- **1st Place** – International MegaHackathon (Blockchain & Web3), 2024
- **3rd Place** – VaraNetwork Hackathon (Blockchain & Web3), 2024
- **Peer-reviewed publication** in the scientific journal **TIERYS** for the **Solary** project, indexed and recognized for innovation in sustainable technology, 2024

Education

Universidad Politécnica de Chiapas

Chiapas, Mexico

Software Engineering

Trained in Software Engineering with a focus on system architecture, backend development, and user-centered design. I have hands-on experience in database design, API development, and mobile application development. Specialized in building microservices using Node.js, Java, Python, Dart, and Kotlin. My academic background includes coursework in Artificial Intelligence, Algorithm Design, and Web Applications, providing a comprehensive understanding of modern digital systems.

Languages

Spanish: Native

English: Fluent (B2 Level – TOEFL ITP Certified 560 points)