

Jesús Osbaldo Ojeda Aké

Backend Software Developer

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Education

Universidad Politécnica de Quintana Roo

[January 2025 - Present]

Engineering in information technology and digital innovation with a specialty in software development.

High School: Centro de Bachillerato Tecnológico, Industrial y de Servicios (CBTIS) No. 111

[August 2021 - July 2024]

Computer Equipment Support and Maintenance Technician.

Experience

Universidad de Caribe

Systems Support Assistant -

Internship

[May 2023 - April 2024]

- Implementation of a preventive maintenance plan for computer equipment.
- On-site and remote technical support for users.
- Installation of network and telecommunications devices.
- Inventory control.

Billbud

Full-Stack Developer - Temporary contract

[August 2025 - October 2025]

- Applied principles of hexagonal architecture to build maintainable and scalable backend systems.
- Designed and implemented notification and push notification features using Go and Flutter, integrated with Firebase Cloud Messaging (FCM).
- Strengthened skills in backend-mobile communication, cloud service integration, and multiplatform software development.

Actually Projects I have participated in

Collaborative Project

Event API Service

Backend Developer

[October 2025 - December 2025]

Contributing to the development of an event management platform focused on ticket processing and secure user interactions:

- Implemented authentication flow using JSON Web Tokens (JWT) to generate and validate tokens upon user login.
- Configured secure email delivery of JWTs to grant access to event-related forms.
- Designed and implemented backend logic to send automated emails when forms are updated, or when users request cancellations or refunds.
- Collaborating with the frontend team to enhance the ticket interface for a better user experience.
- Ensuring reliable and maintainable backend communication between the event system and email services.
- **Tech stack:** Node.js, Express, MongoDB, moongoose, JavaScript.

LinkedIn Collaborative Project

LabManager

Backend Developer / Teach Lead

[September 2025 - November 2025]

Leading the backend development of a laboratory management system;

- Designed and implemented the authentication system using JSON Web Tokens (JWT) for secure access and session handling.
- Developed complete validation logic using middleware to ensure data integrity and secure API operations.
- In charge of the entire Patient Module, including RESTful API endpoints, services, and business logic implementation.
- Acting as Technical Lead, managing team coordination, reviewing code quality, defining technology stacks, and overseeing backend architecture decisions.
- Ensuring scalability, maintainability, and adherence to best practices in backend development.
- **Tech stack:** Node.js, Express, Supabase(PostgreSQL), Prisma ORM, TypeScript.

Gym Management System – Personal Backend Project

[September 2025 - November 2025]

Developing a personal backend application to manage gym memberships, clients, and payments.

- Designing the database schema and implementing CRUD operations.
- Integrating authentication, member registration, and payment features.

Tech stack: ASP NET CORE (Web API), Entity Framework, SQL Server.

Huesped Reservation System – Personal Backend Project

[November 2025 - Present]

Developing a personal backend application to manage resources in hotels and manage reservations for partners.

- Designing the database schema and implementing CRUD operations.
- Integration with stripe service and redis for caching.
- Use DDD principles and modular monolithic architecture : Domain/Application/Infrastructure layers.
- Integrating authentication, member registration, and payment features.

Tech stack: ASP NET CORE (Web API), Entity Framework, SQL Server.

My Skills

Technical:

- **Frontend Development:** HTML, CSS, JavaScript, React, tailwindcss.
- **Backend Development:** Node js/Express, FastApi, ASP. NET.
- **Databases:** SQL Server, My SQL PostgreSQL, MongoDB, redis.

Soft Skills:

- *Effective Communication.*
- *Teamwork & Collaboration.*
- *Problem Solving.*
- *Adaptability.*

Language:

- **Spanish:** Native.
- **English:** A2.