

# Jesús Osbaldo Ojeda Aké

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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 Assistant**

**[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.*

## Actually Projects I have participated in

**Event Manager**

**Backend Developer**

**[January 2025 - Present]**

*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, moongose, JavaScript.

**LabManager**

**Backend Developer / Teach Lead**

**[September 2025 - Present]**

*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, TypeScript.

**Gym Management System – Personal Full Stack Project**

*Developing a personal full stack application to manage gym memberships, clients, and payments.*

- *Designing the database schema and implementing CRUD operations.*
- *Building both backend and frontend interfaces to practice full stack development.*
- *Integrating authentication, member registration, and payment features.*

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

## 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.*

### Language:

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