

IVAN GABRIEL MADERA TORRES

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Software developer with over 2 years of experience in Backend development, specializing in AWS and optimizing high-performance systems. Team leader of a Middleware team that reduced response times of critical systems by 20%. Co-author of a scientific article on the intersection between technology and mental health. Passionate about Frontend development with a focus on user experience.

PROFESSIONAL EXPERIENCE

Macropay

Yucatán, México

Middleware Developer

August 2022 – Present

- Design and development of an MDM platform for the secure management of over 300K enterprise devices, implementing alerts, optimizing updates, and reducing Backend response times by 20%, increasing operational capacity.
- Migration and refactoring monolithic projects to a microservices-based architecture using Node JS and AWS, improving system scalability and maintainability for future implementations.
- Use of Stored Procedures to optimize recurring database queries, reducing execution time by up to 35%.
- Skills: Node JS, Typescript, Express, MySQL, Docker, AWS, IoT Core, Cognito, S3.

ALF Mensajería

Yucatán, México

Fullstack Developer

March 2022 – July 2022

- Redesign and development of the company's web platform, including a cost calculator and an intuitive shipment tracking system, increasing user usability by 30%.
- Implementing an authentication system with failed attempt lockout and password recovery, enhancing administrative panel security and reducing unauthorized access incidents.
- Migration the legacy Backend to Django 3.2, improving modularity and maintainability.
- Skills: Django, HTML, CSS, Javascript, Axios, Bootstrap, Figma.

EDUCATION

Instituto Tecnológico de Mérida

Yucatán, México

Bachelor's Degree in Computer Systems Engineering (GPA: 94.85)

August 2017 – April 2021

- Courses: Data Structures, Web Development, Software Engineering, Data Science, Mobile Devices.
- Specialization: Fullstack Web Development (Project).
- English: TOEFL Certification: 503 (B1).

TECHNICAL SKILLS

- Proficient: Node JS, Typescript, Express, AWS, MySQL, Python, PostgreSQL, Docker, Git.
- Familiar: Django, HTML, CSS, Figma.