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*Full Stack Developer with a solid foundation in **software and data engineering**, complemented by a strong sense of design and usability. Passionate about building **scalable, user-focused applications** from frontend to backend. I am characterized by combining **technical precision with creativity** to solve problems and generate high-impact solutions. I enjoy working in **dynamic and collaborative environments**, continuously learning and adding value to projects. My main motivation is to use technology to create **real value for users and organizations**.*

PROFESSIONAL EXPERIENCE

Encora Inc.
Spark Intern

Yucatán, México
March 2025 - present

- Developed a To-Do List application with Spring Boot (Java) and React (TypeScript), including business rules, validations, and unit/integration tests.
- Designed and implemented a flight search application using a third-party API, managing OAuth authentication with Spring Boot Web Client, optimizing requests through caching, and building a robust frontend in React + TypeScript.
- Collaborated on internal projects applying testing, CI/CD, technical documentation, and Docker, following software architecture best practices.
- Applied SOLID and DRY principles along with design patterns to ensure maintainability and quality.
- Contributed to open-source projects by creating well-documented and reviewed pull requests, as well as frontend and backend improvements.

Banco de Alimentos de México (Mérida)
FullStack Mobile Developer

Yucatán, México
September 2024 - present

- Lead a team of 4 developers using agile methodology to ensure iterative, high-quality deliverables.
- Managed workflow through GitHub Projects, issue templates, and pull requests, improving traceability and task organization.
- Built a mobile application with Expo (React Native) and Flask (Python) backend, optimizing food distribution prioritization and cold storage temperature monitoring.
- Documented processes and proposed architectural improvements to enable scalability across multiple locations and integrate real-time monitoring with MQTT/WebSockets.

EDUCACATION

UNIVERSIDAD ANÁHUAC MAYAB
B.Eng. in Information Technologies and Digital Business

Yucatán, México
August 2022 - present

SELECTED PROJECTS

Web Portfolio (Astro)– 2025 – Present

- Designed and developed a static site with Astro and TypeScript, optimized with island architecture to reduce JavaScript load.
- Implemented internationalization (i18n) in English and Spanish.
- Ensured accessibility and performance for a smooth, scalable experience.
Available at: <https://gupiluan.github.io/>

Jakay (Mobile video game developed using Unity) – 2023

- Developed a multiplayer air-hockey-style game in Unity (C#), with scoring system and puck customization.
- Built AI for single-player mode to dynamically respond to player actions.
- Integrated Photon Framework for multiplayer and used GitHub for version control.

MayaBite (University Delivery App) – 2024

- Designed and built a mobile food ordering app for university students as part of a mobile development course.
- Implemented navigation, menu management, and order flow with a user-centered approach.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, Java, C# (Unity)
- **Frontend / Mobile:** React, React Native (Expo), Vite, Tailwind, CSS
- **Backend:** Flask (Python), Spring Boot (Java), Express
- **Databases:** MongoDB, MySQL, PostgreSQL, SQL
- **Messaging / Real-time:** WebSockets, MQTT (e.g., HiveMQ)
- **Cloud / DevOps:** AWS & Azure (basic), Docker, CI/CD (GitHub Actions / pipelines)
- **Principles:** SOLID, DRY, design patterns, testing & documentation best practices
- **Tools:** Git/GitHub (PRs, reviews), Docker, Vite, Astro

LANGUAGES

- Spanish (native).
- English: Professional working proficiency (B2/C1) – capable of technical documentation and presentations

CERTIFICATIONS

- 2025, [Gen AI Training Path - Foundational](#)
- 2025, [Gen AI Training Path - Technical Track](#)
- 2024, [CCNA: Enterprise Networking, Security, and Automation](#)
- 2023, [CCNA: Introduction to Networks](#)