Eduardo Esqueda – Software Developer

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Skills

Front-End: Flutter, React, Astro.Js, Next.js, Vue.js, Typescript, Javascript, Bootstrap, Tailwind, Figma, HTML, CSS
Back-End: Node.js, Express.js, Python, Django, C#, .NET, OpenAI API, GraphQL, SQL, MongoDB
Computer Vision & AI: Python, OpenCV, YOLOv11, Roboflow, Large Language Models (LLMs), OpenAI API, AI Agents, Retrieval-Augmented Generation (RAG)
DevOps: Docker, AWS Cloud Services, Azure, Git, GitHub Actions, Serverless, Lambda Functions, Firebase
Languages: English (B2/C1)
Soft Skills: Teamwork, Effective Communication, Adaptability, Attention to Detail

Experience

Full-stack Developer, Valeo – Juarez, Mexico   May 2024 – Present

- Developed both front-end and back-end for a checklist and process tracking application using **ASP.NET MVC**, enabling real-time monitoring of multiple workflows in the manufacturing industry. Deployed the application on **Microsoft Azure** for scalability and secure access.
- Designed and implemented an **inventory and warehouse location management system** using **ASP.NET**, improving tracking accuracy and resource allocation. Hosted and maintained the solution on **Azure App Services**.
- Created and deployed a **Visual Basic application** integrated with a **Python middleware** to interface with **USB-1024LS DAQ devices**; measured machine angle and force via a *chantillon* sensor, sent tags to the **OPC Server**, and deployed the solution across multiple production lines.
- Designed and deployed a **real-time object detection system** using **Python, Roboflow, YOLOv11, OpenCV, and Node.js** to detect and classify multiple types of parts in manufacturing lines, increasing accuracy and speed in quality control operations.

Full-stack Developer (Remote), MJ Studio – Juarez, Mexico   May 2024 – Present

- Designed and deployed a multiplatform ERP system using **Flutter**, **Firebase**, **Firebase Functions**, and **Cloud Storage Buckets**, featuring modules for catalog management, branches, clients, suppliers, and employees.
- Integrated the OpenAI API to develop AI agents that automate key business processes, enhancing operational efficiency and reducing manual workload.
- Developed additional business solutions using **Astro** and **Next.js**, incorporating AI-powered chatbots based on the OpenAI API. These chatbots employed Retrieval-Augmented Generation (RAG) techniques to effectively resolve user inquiries through intelligent, context-aware responses.
- Built and deployed a multi-branch **Point of Sale (POS) system** using **Flutter**, **Express.js**, and **Supabase**, featuring modules for sales, invoicing, cash flow management, and unit testing to ensure system reliability. Successfully implemented across multiple business locations.

Application and Backend Developer Intern, APIA Ingenieria – Juarez, Mexico   Oct 2023 – Apr 2024

- Implemented an expense management system using Node.js and Express.js for back-end services.
- Designed secure authentication flows using Bearer tokens to protect APIs.
- Utilized Lambda functions to handle specific serverless tasks and improve system modularity.
- Designed user interfaces in Figma and developed front-end components using Flutter.
- Deployed back-end services and databases on Railway, ensuring availability and performance.
- Maintained SQL databases, ensuring data integrity and efficient performance.

Developer, Technical Support, and Customer Service, Amm.co – Juarez, Mexico   Dec 2020 – Jul 2023

- Developed and automated an inventory management system using React.js and Express.js.

Education

Software Engineer, Universidad Autonoma De Ciudad Juarez   Aug 2020 – Aug 2025

- Thesis focused on the development of an **ERP system powered by LLM-based chatbots** to support decision-making and business process automation.

Projects

Freelance Software Development   Present
- Provide freelance development services specializing in **Next.js** applications integrated with **LLM-powered chatbots**, enabling businesses to automate customer interactions and decision-making processes.
- Design and deploy AI-driven solutions with modern, user-friendly interfaces, delivering tailored software for various client needs.

Connection GPT   Google Play Store
- Mobile application that uses **AI-generated responses** to assist users in replying to text messages efficiently and contextually.
- Built with a focus on intuitive UX and fast AI integration, allowing real-time and context-aware suggestions.

English Gym   Google Play Store
- AI-powered language learning app that dynamically generates personalized English exercises, adapting to the user's level and goals.
- Features a **beautiful, modern UI** to ensure a motivating and engaging learning experience.