

# Arturo Macías Moreno

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## EXPERIENCE

**Webra** **Aguascalientes, México**  
*Full Stack Developer* *Sep 2025 - Present*

- Built and deployed client web applications using Next.js, Supabase, and Vercel, managing **client communication, design, and full-stack engineering** end to end.
- Developed a restaurant ordering platform with Stripe payments, cash order support, and real-time admin order notifications, built for high-volume use at a popular local restaurant.
- Built a biometric **loyalty system with fingerprint authentication** and a **consumption-based points engine**, integrated with a custom admin dashboard.
- Shipped a point-of-sale system with **real-time GPS tracking** and inventory management for a local retail store.

**Stamn** **Guadalajara (remote)**  
*Artificial Intelligence Engineer* *Feb 2026 - Apr 2026*

- Architected and deployed **4 autonomous AI agents** running 24/7 on a production Linux VPS, covering Twitter growth automation, brand intelligence, competitive monitoring, and trend analysis across Reddit, Hacker News, and X.
- Built custom **OpenClaw skills in TypeScript** integrating Firecrawl, OpenRouter, and Twitter API v2 to give agents real web scraping, LLM reasoning, and autonomous posting capabilities.
- Engineered **multi-step LLM pipelines** within each agent, chaining web scraping, data analysis, and model inference to produce structured outputs without human intervention.

**Urdaten** **CDMX (remote)**  
*Machine Learning Engineering Intern* *Oct 2024 - Aug 2025*

- Implemented an open-source solution**; replaced OpenAI's API for document processing with open-source large language models, reducing API costs by **over 90%** (from ~\$0.06/request to <\$0.005/request) by self-hosting on an Azure VM, while maintaining comparable performance.
- Overhauled the company's document extraction pipeline** by replacing legacy OCR tools with a vision-language model, transforming unstructured, error-prone outputs into highly accurate and structured text, enabling downstream automation and reducing manual correction efforts by **over 80%**.
- Built a resilient system to verify utility document authenticity** by scraping public records using proxy rotation to avoid detection, and leveraging LLM-based comparison to cross-validate extracted user data.
- Collaborated closely with data science and backend teams** to validate model outputs, plan feature integrations, and expand support for new document types, aligning development with stakeholder requirements and production needs.

## EDUCATION

**Edge Hub** **Aguascalientes, México**  
*B.E. in Artificial Intelligence* *Graduation Date: Jun 2028*

**Universidad del Valle de México (UVM)** **Aguascalientes, México**  
*B.S. in Data Science Engineering* *Graduation Date: May 2027*

## SKILLS

**Programming:** Python, Typescript, C++, Java, Linux (bash)

**Machine Learning & Data Science:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib

**Tools:** Git, Docker, Runpod, OpenClaw, HuggingFace, Langchain, vLLM, Ollama, Selenium, Playwright

**Databases:** PostgreSQL, MySQL, MongoDB

**Languages:** English (**native**), Spanish (**native**)