

Luis Alexander Hernández Martínez

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WORK EXPERIENCE

Software Engineer & Founder

San Salvador, El Salvador

My Software SV (own company) • Freelance

Feb 2022 - Jun 2025

- **Developed and deployed 15+ comprehensive software solutions** including ERP systems, CRM platforms, web applications, REST APIs, SaaS services, desktop applications, and mobile apps, resulting in a 30% increase in operational efficiency for clients across multiple industries.
- **Collaborated directly with 20+ clients to gather requirements, analyze business processes, and deliver tailored solutions**, maintaining clear communication throughout project lifecycles and achieving a 97% client satisfaction rate with 90% project delivery on time.
- **Implemented industry best practices and integrated AI-powered features** into production systems, including recommendation engines and RAG-based support chat systems, while applying clean code principles, version control, and CI/CD pipelines that reduced system errors by 25% and improved maintainability.

IT Support Specialist

Antiguo Cuscatlán, El Salvador

Fe y Alegría El Salvador • Internship

Aug 2021 - Jan 2022

- Delivered comprehensive technical support to over 100 employees, resolving hardware and software issues with a 95% first-call resolution rate, minimizing system downtime.
- Streamlined system access protocols and optimized resource allocation strategies, achieving a 15% boost in departmental productivity through enhanced workflow efficiency.

PROJECT EXPERIENCE

AI Projects

San Salvador, El Salvador

Machine Learning & Deep Learning Projects

Nov 2024 - Jun 2025

- **AI Portfolio Assistant** – Developed a self-quantized LLM model optimized for CPU execution using LangChain framework, incorporating RAG (Retrieval-Augmented Generation) with personal portfolio data to provide intelligent responses about projects and experience.
- **Time Series Stock Prediction Model** – Built a comprehensive predictive model for stock market analysis using time series forecasting techniques, implementing machine learning algorithms.
- **Real-time Voice Translation System** – Created an end-to-end translation pipeline combining speech recognition, NLP translation models, and text-to-speech synthesis, enabling seamless Japanese-to-English voice translation with real-time processing capabilities.

EDUCATION

Universidad Centroamericana José Simeón Cañas

San Salvador, El Salvador

Bachelor's Degree in Software Engineering

SKILLS

Languages: Python, Java, C++, JS

AI/ML: TensorFlow, PyTorch, Scikit-learn, XGBoost.

Data Tools: SQL, Pandas, NumPy, Matplotlib.

Tools: Git, Docker, Jupyter Notebooks, AWS, GCP, React, Django, CI/CD.

CERTIFICATES

- **A.I. & Machine Learning, Data Science Bootcamp from Zero to Master** by ZTM.
- **Foundational Data Science and ML Course** from Omdena.
- **AWS for Developers, introduction to Linux** from LinkedIn Certificates.