Lewis Garcia

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Education

Universidad de Oriente   Barcelona, Anzoátegui
Bachelor of Computer Engineer, Magna Cum Laude   November 2024

Experience

Back9   Lechería, Anzoátegui
Lead Full Stack Engineer   November 2024 – Present

- Developed e-commerce applications with custom back-office, featuring embedded Power BI dashboards.
- Built an end-to-end airline booking platform utilizing data from multiple GDS for travel agencies.
- Automated stadium access systems by programming micro-controllers connected to a digital ticketing platform.

Universidad de Oriente   Barcelona, Anzoátegui
Adjunct Professor   April 2025 – Present

- Taught the undergraduate course Formal Languages and Automata Theory in the Department of Computer Engineering.

ProgyLift LLC   Houston, Texas. Remote
Founding Engineer   March 2025 – Present

- Spearheaded the technical architecture and product design of a SaaS platform for the oil industry.
- Developed an analysis and control software with real-time data from oil well sensors.
- Engineered a RAG Chatbot enabling queries on live production databases and internal documentation.

NextWells Corp.   Houston, Texas. Remote
Full Stack Developer   February 2023 – September 2024

- Automated data acquisition with AWS IoT Core and lambda functions for data from oil well controllers.
- Developed a web application in Next.js with dashboards to visualize production data.
- Maintained an ASP.NET web application with dashboards for analysis and data management in the oil industry.

Freelancer   Remote
Full Stack Developer   2020 – 2023

- Maintained a web application for managing architecture project data with custom dashboards.
- Built a software for employee time tracking across companies, including calculations based on hours worked.
- Developed websites such as blogs and product stores.

Leadership & Activities

Universidad de Oriente   Barcelona, Anzoátegui
University Student Tutor   September 2022 – July 2024

- Provided tutoring for the Calculus III course.

Skills & Interests

Technical: Python / PySpark / Django, TypeScript / JavaScript, Next.js / React / Node.js, SQL / NOSQL / GraphQL, Database Design, Power BI / Excel / Project, AWS, Git, Docker, DevOps, CI/CD, LLM Integration / RAG / N8N.
Language: Spanish (Native), English (Professional Working Proficiency).
Interests: STEM Mentoring, DIY Electronics, Chess.