



David Aaron Herrera del Castillo

AI Solutions Architect & Software Engineer

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Summary

Software developer and AI solutions architect with experience in the design, development, and implementation of intelligent systems using Microsoft Azure. I combine a strong foundation in full-stack development and data engineering with a strategic vision focused on efficiency and scalability.

Speaker at Data Day 2025, promoting the responsible and practical adoption of artificial intelligence in corporate environments.

Experience

BAACC Systems S.A. de C.V.

Sep 2023 - Present

State of Mexico

Fullstack Developer & Data Engineer

- Desktop application development in C#, Java, and Python
- Web application development using JavaScript (React), .NET, FastAPI, and DevExpress
- Database administration and management in Microsoft SQL Server
- Design and implementation of RAG architectures and MCP agents with Azure OpenAI
- Deployment of services and applications on Microsoft Azure

DEC Marketing

Mar 2022 - Sep 2023

Mexico City

Web Developer Jr.

- Website development and support using HTML, CSS, and JavaScript, as well as content management systems (WordPress, Joomla, and OpenCart).
- Management of hosting, security certificates, and domains through control panels (cPanel).
- Management of corporate email accounts.
- Integration of SEO services (Google Analytics)

Education

Tecnológico de Estudios Superiores de Coacalco

Sep 2019 - Jan 2024

Information and Communications Technologies

Engineer

Specialization in mobile application development.

Platzi

2021 - Present

Self-taught

Technology and Science

Volunteering

Data Day 2025

October 21, 2025

Tecnológico de Monterrey

Speaker

Speaker at Data Day 2025 – “Connie: How we designed an AI-based enterprise copilot for internal processes and strategic decisions”

Certifications

Programming for Everybody (Getting Started with Python)

Julio 2022

University of Michigan

Microsoft AZ-900 (Azure Fundamentals)

Junio 2021

Microsoft

Skills

Git y GitHub



C#



Java



Python



SQL Databases



Microsoft Azure



TypeScript



React

Languages

Español

Native



Inglés

B2 - Conversational / Minimum Professional Proficiency

