



David Aaron Herrera del Castillo

AI Solutions Architect & Software Engineer

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in david-heca

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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.
Fullstack Developer & Data Engineer

Sep 2023 - Present
State of Mexico

- 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
Web Developer Jr.

Mar 2022 - Sep 2023
Mexico City

- 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
Engineer

Sep 2019 - Jan 2024
Information and Communications Technologies

Specialization in mobile application development.

Platzi
Technology and Science

2021 - Present
Self-taught

Volunteering
Data Day 2025
Speaker

October 21, 2025
Tecnologico de Monterrey

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)
University of Michigan

Julio 2022

Microsoft AZ-900 (Azure Fundamentals)
Microsoft

Junio 2021

Skills

Git y GitHub



C#



Java



Python



SQL Databases



Microsoft Azure



TypeScript



React

Languages

Español

Native



Inglés

B2 - Conversational / Minimum Professional Proficiency

