



# 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

Engineer

Information and Communications Technologies

Specialization in mobile application development.

## Platzi

2021 - Present

Technology and Science

Self-taught

## Volunteering

### Data Day 2025

October 21, 2025

Speaker

Tecnológico 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)

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

