

David Sebastián Barrera Gaona

Software Engineering

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Bogotá D.C., Colombia



Profile

Software Engineering focused on developing technological solutions, with a strong interest in solving problems through innovation. Throughout my studies, I have gained skills in programming, data analysis, web development, and the use of cloud services.

Personal Projects

- **Web Portfolio:** Built with React and TypeScript, deployed on AWS with automated CI/CD using S3, CloudFront, and Route 53.
- **Website + IoT:** Project using a cloud-implemented gas sensor, including EC2, RDS, and SNS.
- **2048 Game – EAN Version:** Implementation of the popular 2048 game with an EAN university theme. Developed with vanilla JavaScript, responsive design, and deployed on AWS with Amplify, Lambda, and DynamoDB.

Professional Experience

IBM - Intern

IBM Colombia | February 2025 – Present

AWS Cloud Club Captain

AWS | April 2025 - Present

Education

Universidad EAN

Software Engineering | 2022-1 – 2025-2

Colegio Salesiano de Duitama

High School Diploma | 2021

Courses Y Certifications

IBM Generative & Agentic AI Foundation

IBM | 2025

IBM Agile Explorer

IBM | 2025

AWS Academy Graduate

AWS Academy Cloud Foundations | September 2024

AWS Educate – 10 course collection

AWS Educate Trained | 2024-2025

Skills

- **Languages:** Native Spanish, Intermediate English – B2
- **Software:** *Intermediate* Java | *Intermediate* Matlab | *Intermediate* Data Structures & Algorithms | *Intermediate* BI | *Intermediate* Python | *Basic* Amazon Web Services |
- **Communication:** Strong writing skills, public speaking ability, and persuasive communication.