Angie Paola Manrique Ravelo

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Skills

Languages:	Java, C#, TypeScript, SQL, Python.
Frameworks:	Spring, Angular.
Databases:	PostgreSQL, MySQL, SQLServer, MongoDB.
Cloud:	AWS, Azure.
Technologies / Tools:	Docker, Jenkins, GraphQL, Kafka, SonarQube, Maven, npm, Git.
Practices:	Agile, Scrum, SOLID Principles, Test-Driven Development, Code Reviews.

Experience

Crehana — *Bogotá, Colombia*
BACKEND ENGINEER SEMISENIOR — *Feb. 2021 – Jun. 2024*

- Developed innovative software modules using Java and Spring Framework, ensuring data integrity and resulting in multiple recurring functionalities for 1,000,000+ customer transactions.
- Coded 10+ interactive features in Angular, enhancing platform functionality; integration resulted in 15% increase in user engagement and the tool is now used by over 200,000 active users.
- Significantly improved reporting dashboard performance by identifying and eliminating bottlenecks, resulting in a 50% reduction in load time.
- Designed and built RESTful APIs, improving system integration and data accessibility.

Ink digital — *Bogotá, Colombia*
WEB DESIGNER — *Nov. 2020 – Jan. 2021*

- Constructed innovative and high-quality designs that consistently scored above 90% in performance and accessibility benchmarks.
- Developed client websites using the WordPress CMS, resulting in an average page load time of 3 seconds or less.
- Used Google Ads to position websites, leading to a 15% increase in organic traffic.

Universidad de Cundinamarca — *Facatativá, Colombia*
DEVELOPER AND CO-INVESTIGATOR — *Nov. 2019 – Dec. 2020*

- Created and deployed a web application to visualize the graphical results of descriptive and predictive analyses using data mining techniques.
- Conducted a descriptive and predictive analysis of ICFES data, resulting in the creation of 10 key indicators to measure gender disparities in Colombian education.
- Presented research findings at 3 national conferences between 2019 and 2020.

Projects

AquaFeeder: Real-Time Fish Detection and Feeding Optimization System — *MATLAB, Arduino, Computer Vision*

Developed a smart system using real-time webcam, MATLAB, and Arduino to detect fish species and predict their length and food portions.

Gender Gaps in STEM fields in the Saber 2016 Tests in Colombia — *Revista Pensamiento Udecino*
Nov 6, 2020

Published research article analyzing gender disparities in Colombian higher education.
% https://revistas.ucundinamarca.edu.co/index.php/Pensamiento_udecino/article/view/79

Education

Universidad de Cundinamarca — *Facatativá, Colombia*
Bachelor's Degree in Systems Engineering — *Feb 2016 – Mar 2021*

Certifications

Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate — *Oracle*
2024