

Juan Francisco Ramírez Escobar

SOFTWARE ENGINEER, PONTIFICIA UNIVERSIDAD JAVERIANA

Profile

Systems Engineer and final-year Data Science student (Pontificia Universidad Javeriana, Bogotá) with B2 English and professional experience in back-end development. Strong foundation in software engineering, building microservices, event-driven integrations, REST APIs, and relational databases; complemented by knowledge of mobile development and machine learning. Recognized for clear communication, teamwork, ownership, and adaptability in agile (Scrum) environments, with a continuous drive to learn and improve every day. Current interests include cloud computing (AWS Cloud Practitioner), asynchronous communication, and algorithmic problem solving.

Employment History

Custom Software Engineer Associate, Accenture, Bogotá

JUL 2025 – PRESENT

- Built a self-service Tax Certificates capability that lets customers nationwide generate and download their tax certificate on demand in under 5 seconds end-to-end, supporting portal traffic for 1M+ users.
- Implemented the back-end in Java/Spring Boot within a microservice architecture, integrating event-driven asynchronous workflows (Pub/Sub) to reliably orchestrate requests, generation, and notifications across services.
- Automated template-based PDF generation and email delivery, running on the client's cloud infrastructure to improve availability and operational efficiency at scale.

Cofounder, IArtificialCOL, Bogotá

MAY 2025 – PRESENT

- Co-founded IArtificialCOL, improving operational processes for 10+ SMEs by deploying AI-driven automations that cut operational task time by 80%.
- Designed and implemented end-to-end conversational automation pipelines that enable 24/7 customer attention, bookings, catalog interactions, payments, and intelligent human handoff.
- Built production integrations across Chatwoot, Evolution API, WhatsApp Business, AWS, n8n, redis and PDFMonkey, ensuring reliable orchestration, notifications, and document generation at scale.

Software Developer, CC Sistemas, Bogotá

OCT 2024 – JUN 2025

- Developed and maintained Java-based back-end services, implementing core business logic and REST APIs for enterprise systems.
- Managed relational databases (PostgreSQL), writing SQL queries, ensuring data consistency.

Details

Bogotá, Colombia
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Links

[LinkedIn](#)
[GitHub](#)
[AWS - Cloud Practitioner](#)
[Personal Portfolio](#)

Skills

Problem Solving
Systems Design
Algorithmic Problem Solving
Java, C++, Dart, Kotlin, Python
Go, JavaScript, TypeScript, C#
SQL, PostgreSQL, MongoDB
Git, GitHub, BitBucket
AWS, Google Cloud, Docker
Redis, RabbitMQ

Languages

Spanish
English

Education

Systems Engineering, Pontificia Universidad Javeriana, Bogotá

JAN 2021 – NOV 2025

GPA: 4.5/5

- Laureate Honors Thesis – EasyMarket: Developed a configurable marketplace Software Product Line (SOA), enabling 144 marketplace feature combinations with multi-platform delivery (Android/iOS/Web).
- Teacher Assistant of courses such as Advanced Programming, Software Analysis and Design and Informations Systems in Organization, offered by the engineer faculty of the university.
- Led sessions for over 50 students on software engineering concepts.
- Association for Computing Machinery, Chairman (2023): Developed and led comprehensive workshops on advanced programming and programming fundamentals for 300+ students

Data Science, Pontificia Universidad Javeriana, Bogotá

JAN 2024 – NOV 2026

GPA: 4.2/5

References

References available upon request