## CONTACT INFORMATION

+57 3013061484

jaimemonroy31@gmail.com

LinkedIn

GitHub Repository

Official Website

Rionegro - Antioquia, Colombia


## EDUCATION

**Electronic Engineer**
National University of Colombia
Manizales Headquarters · 2005-2010

## CERTIFICATIONS

**Scrum Developer**
Scrum Agile Institute · 2014

**Tibco Spotfire**
Tibco · 2014

**Programming with HTML5 Javascript and CSS3**
Microsoft · 2014

## COURSES

**.NET 8 Microservices: DDD, CQRS, Vertical/Clean Architecture**
by Mehmet Ozkaya · Udemy · 2024

**Best Practices and Concepts for Architecture and Dimensional Design**
by Alan Simon · Udemy · 2024

**DP-900 Microsoft Azure Data Fundamentals Practice Tests**
by Adam Goswami · Udemy · 2024

**Build a Backend REST API with Python & Django - AdvancedTests**
by Mark Winterbottom · Udemy · 2024

## SPOKEN LANGUAGES

- English — B2
- Spanish — Native

## SOFT SKILLS

- Mentoring
- Client management
- Distributed teams
- Team leadership


# Jaime
# Monroy L.

Full-Stack Developer · C#/.NET · Angular · ReactJS · Python · Cloud


Full and detailed version at **github.com/JaimeMonroyLopez** and **jaimemonroy.dev**

## PROFESSIONAL SUMMARY

I'm a Full-Stack Developer with 15 years building enterprise software for clients in the US, UK and Latin America — banking, payments, insurance and logistics — mostly in distributed teams, where I've led groups of up to five developers and mentored others.

## WORK EXPERIENCE

### Full-Stack Developer
February 2025 - Current

**Alabama Solutions | Sector: Banking** — *based in Uruguay*

**LEVEL:** Mid-Senior

**SCOPE** Banking product development. Migration of banking data. Migration of ASP.NET Web Forms to Angular. New SQL Server Data Model.

**WHAT I DID** Adopted AI coding assistants, cutting development and refactoring time by up to 25%, rebuilt error handling and the audit log module.

.NET Core · Angular · SQL · Azure · CQRS · xUnit · Generative AI · Cursor · Claude Code · Codex

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### Full-Stack Developer
August 2024 - February 2025

**Constructora Legado | Sector: Construction** — *based in Colombia* ✓

**LEVEL:** Senior · **TEAM LED:** 5 people

**SCOPE** End-to-end design, consulting and technical follow-up for an IoT platform that collected data from smart helmets and on-site sensors to monitor workforce location, activity, and safety, supporting operational decision-making on construction sites.

**KEY ACHIEVEMENTS** Set the data governance and architecture for a wearable device platform, and delivered the minimum viable product shown to investors.

.NET Core · ReactJS · Python · Snowflake · MongoDB · Azure · AWS · Databricks · Microservices · Serverless · Event Sourcing · TDD

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### Full-Stack Developer, Data Analyst
July 2022 - June 2024

**Endava | Sector: Insurance, Payments, Banking** — *based in England* ✓

**LEVEL:** Senior

**SCOPE** Banking data migration from eight sources into Snowflake, and an anti-fraud module for online payments.

**WHAT I DID** Built the ingestion and validation for the migration, delivered in ten months, and shaped the anti-fraud architecture, delivered in eight months.

.NET Core · Angular · Python · Spark SQL · Snowflake · SQL Server · Azure Functions · Azure Data Factory · Databricks · CQRS · Apache JMeter

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## WORK LOCATIONS

- Colombia
- USA

## REFERENCES

**Sebastián Petrina**
Development Manager at Endava
Recommendation on LinkedIn

**Francisco Tabares**
CEO at Celbit
research@celbit.net
Recommendation on LinkedIn

**Julián Galeano**
General Manager at Constructora Legado
juagaleanosa@unal.edu.co
Profile on LinkedIn

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

C# ·C++ ·Python ·SQL ·JavaScript ·TypeScript ·GraphQL ·PHP ·Visual Basic

### DATABASES

SQL Server ·Snowflake ·Oracle Database ·PostgreSQL ·MySQL ·MongoDB ·Cosmos DB ·DynamoDB ·Elasticsearch ·Redis ·Azure SQL Database ·SAP HANA

### FRAMEWORKS

.NET Core ·.NET Framework ·ASP.NET MVC ·ASP.NET Web Forms ·Angular ·AngularJS ·ReactJS ·Windows Forms ·spaCy ·SAP Business One

### CLOUD & DEVOPS

Azure ·AWS ·Docker ·Azure Functions ·Amazon S3 ·Azure DevOps ·Git ·Gitflow ·GitHub ·GitLab ·JSON ·YAML ·WebSockets

### TESTING & CI

xUnit ·TDD ·Jenkins ·TeamCity ·SonarQube ·Apache JMeter ·Postman

### DATA & AI

SSIS ·SSAS ·SSRS ·SSDT ·OLAP ·Dimensional Modeling ·Data Architecture ·Data Analysis ·Azure Data Factory ·Databricks ·Spark SQL ·Power BI ·TIBCO Spotfire ·Apache Kafka ·RabbitMQ ·Azure Service Bus ·Amazon SageMaker ·pandas ·scikit-learn ·XGBoost ·Tesseract ·OCR ·doccano ·Ollama ·Generative AI

### ARCHITECTURE

Software Architecture Design ·Microservices ·Serverless ·REST ·SOAP ·CQRS ·Event Sourcing

### TOOLS

Visual Studio ·Cursor ·Claude Code ·Codex ·Jira

### METHODOLOGIES

Agile ·Scrum ·Kanban

## Tech Lead · Scrum Master

April 2022 - May 2022

**KIRU | Sector: Online Payments** — *based in Panama* ✓

**TEAM LED:** 4 people

**SCOPE** End-to-end design, consulting, and technical leadership for an online payment platform that enabled employees to pay subscription and recurring bills through payroll deductions, helping improve on-time payments while offering employees discounted payment benefits.

**KEY ACHIEVEMENTS** Led API development and performance, ran Scrum ceremonies, and mentored the team on what to cover with unit tests.

.NET Core ·ReactJS ·Python ·SQL ·Azure ·AWS ·REST ·xUnit ·Scrum

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## Full-Stack Developer

August 2021 - April 2022

**Arroyo Consulting | Sector: Insurance** — *based in USA* ✓

**LEVEL:** Senior

**SCOPE** New features and support for an insurance ERP built around risk calculation, with around 50,000 users.

**WHAT I DID** Built proofs of concept that informed the architecture decisions and met a 90% coverage standard across the whole system.

.NET Core ·Angular ·SQL ·Elasticsearch ·Azure ·SonarQube ·xUnit ·REST ·GraphQL

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## Full-Stack Developer

February 2021 - July 2021

**MAS Global Consulting | Sector: Mechanical Engineering** — *based in USA* ✓

**LEVEL:** Mid-Senior

**SCOPE** Maintenance and new features for a web product configurator, where a manufacturer's electromechanical devices were assembled and customized piece by piece. New devices were added as configurable elements.

**WHAT I DID** Improved API performance, optimized SQL and NoSQL queries, and met a 100% coverage standard across the whole system.

.NET Core ·Angular ·SQL ·Azure ·Azure DevOps ·xUnit ·REST ·Jira

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## Full-Stack Developer

September 2019 - January 2021

**Team International | Sector: Vehicle Logistics** — *based in USA* ✓

**LEVEL:** Mid-Senior · **ON-SITE:** Charlotte, North Carolina, USA (1 month)

**SCOPE** On-premise system coordinating truck traffic across the seaports of a US region. Each truck ran a seven-station cycle inside the port, and web services exchanged messages in both directions: every station reported the truck's status and received a response.

**WHAT I DID** Migrated the web client from ASP.NET Web Forms to Angular, keeping the same SOAP contracts with the legacy system.

.NET Core ·Angular ·ASP.NET Web Forms ·SQL ·Azure ·SOAP ·REST ·Software Architecture Design

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## Technical Consultant · Full-Stack Developer

June 2019 - August 2019

**Constructora Legado | Sector: Construction** — *based in Colombia* ✓

**LEVEL:** Senior · **TEAM LED:** 3 people

**SCOPE** End-to-end technical consulting for the design and implementation of an ERP, covering project and schedule management, cost control and budgeting, procurement and supplier management, contract and subcontractor management, and materials and inventory management.

**KEY ACHIEVEMENTS** Delivered a document management web application designed end to end, and reviewed unit tests and code across the team.

.NET Core ·Angular ·SQL ·MongoDB ·Azure ·Jenkins ·xUnit

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### Full-Stack Developer

January 2017 - May 2019

**Heinsohn Business Technology | Sector: Logistics, SAP** — *based in Colombia* ✓

**LEVEL:** Senior · **ON-SITE:** Tempe, Arizona, USA (6 months)

**SCOPE** Browser access to SAP Business One for Colombian clients, and a machine learning system that read 25 invoice formats.

**WHAT I DID** Recreated the SAP Business One interface in Angular, and built an OCR system that read scanned invoices and learned from corrections.

C# · .NET Core · Python · SAP Business One · SAP HANA · Angular · Amazon SageMaker · spaCy · Tesseract · OCR · scikit-learn · XGBoost

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### Full-Stack Developer

August 2013 - May 2016

**Heinsohn Business Technology | Sector: Logistics** — *based in Colombia* ✓

**LEVEL:** Mid-Level

**SCOPE** Business intelligence for DHL's global air logistics operation, and document management for its billing operation.

**WHAT I DID** Built the ETL processes, modeled the data warehouse and its OLAP cubes, and designed the dashboards and reports on top.

C# · SQL Server · SSIS · SSAS · SSRS · SSDT · Dimensional Modeling · OLAP · TIBCO Spotfire · ASP.NET Web Forms · AngularJS · SOAP

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### Full-Stack Developer

March 2013 - May 2013

**Vidycom | Sector: IoT** — *based in Colombia* ✓

**LEVEL:** Junior

**SCOPE** Maintenance and deployment of an ASP.NET Web Forms application (.aspx) connected over serial and USB to a network of parking devices, with a back end and a user interface to operate it.

**WHAT I DID** Fixed defects in the Web Forms interface and corrected the SQL Server data model.

ASP.NET Web Forms · .NET Framework · SQL Server · Oracle Database

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### Full-Stack Developer

August 2011 - February 2013

**Celbit | Sector: Biomedical** — *based in Colombia* ✓

**LEVEL:** Junior

**SCOPE** Medical wearable hardware that needed software to read and operate it.

**WHAT I DID** Wrote the C++ firmware for the microcontrollers that acquired the sensor signals, and built the applications that operated the devices.

C++ · Texas Instruments MSP · Windows Forms · ASP.NET Web Forms · PHP · PostgreSQL · MySQL

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### Information Technology Teacher

July 2010 - November 2011

**Unitecnica | Sector: Education** — *based in Colombia* ✓

**SCOPE** IT training at a technical education institute.

**WHAT I DID** Taught object-oriented programming fundamentals and basic data analysis.

C# · .NET Framework · Visual Studio · SQL