

# Roberto Bonilla Gonzalez

## Enterprise Brokerage Platforms, Data Strategy & Human-Accountable AI Delivery

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*Global brokerage-platform and data leader combining end-to-end brokerage operating knowledge with multi-year data strategy and human-accountable AI-assisted engineering at JPMorganChase, and RoboCup Federation Trustee reaching a 50,000-student global STEAM community.*

### ✓ KEY DIFFERENTIATORS

- ✓ **Global Brokerage & Data Platform Leadership:** Vice President & Expert Engineer (E2, < 5% acceptance) leading brokerage-platform and data-platform delivery for International Private Bank and Global Brokerage across 6 engineering centers and 16+ engineers; trusted advisor to Executive and Managing Directors on multi-year strategy
- ✓ **Dual Leadership Identity:** Finance-technology executive + global education governance — RoboCup Federation Trustee (50,000+ students reached, 45+ countries; *first in history to hold every role from Junior participant to Board*)
- ✓ **Award-Winning Delivery:** JPMorgan Technology Originate Competition winner; Cvent Excellence Awards Finalist 2026 (1 of 4 from 63 global submissions)
- ✓ **Responsible AI-SDLC Leadership:** Co-developed the human-accountable merge-bar model governing AI-written, client-facing brokerage code, piloted across four production applications

### 📦 PROFESSIONAL EXPERIENCE

#### JPMorganChase | 15+ Years Progressive Leadership

##### Vice President, Senior Lead Software Engineer & Expert Engineer

Feb 2026 – Present

Jersey City, NJ

*Asset & Wealth Management - International Private Bank*

- Advise Executive and Managing Directors on multi-year platform strategy for International Private Bank and Global Brokerage; lead delivery of the brokerage platform and the data platform behind it; architect cloud migration (on-prem → S3 → Snowflake) enabling self-service analytics for 300+ users, unified data governance, and cost-optimized operations supporting time-critical regulatory reporting across 9 international markets
- Lead global platform delivery across 6 engineering centers (Jersey City to Singapore); establish AI/ML foundations for Jersey City center (16+ engineers); balance US regulatory, GDPR, and APAC compliance requirements across Americas, EMEA, and APAC regions
- Drive technical standards and architectural decisions for cloud and data platforms; influence data governance frameworks and modernization roadmap in collaboration with Product, Business, Operations, and Supervisory teams
- Build, mentor, and retain high-performing engineering talent across a 16+ hour time-zone footprint; champion an inclusive, excellence-driven culture and translate advanced AI and analytics into decisions executive, business, and control partners can act on
- Co-developed a human-accountable AI-assisted engineering model — a merge bar tiered by blast radius — piloted in a Good-to-Great uplift across four production IPB US Brokerage applications: 355 static-analysis findings cleared, coverage raised 70–75% → ~95%, two critical defects intercepted before UAT, zero client-visible behavior change. Separately, a half-day, 12-engineer proof-of-concept cut compute-farm troubleshooting from hours to minutes. Supports responsible AI-assisted engineering adoption across a 15+ team delivery environment under EU AI Act-aligned standards. Grounded in MIT xPRO AI Strategy & Leadership (MIT/Emeritus)

##### Vice President, Lead Software Engineer & Expert Engineer

Sep 2021 – Jan 2026

Jersey City, NJ

*Asset & Wealth Management - International Private Bank*

- Architected cloud-native data pipelines advancing data accessibility and real-time analytics across business domains
- Established enterprise data governance frameworks, ensuring regulatory compliance across asset classes
- Transformed product delivery through agile practices and automation — 250% increase in delivery ratio across 7 releases — and drove platform integrations saving ~1,300 person-hours/year
- Led BI initiatives enabling stakeholder decision-making with enterprise dashboards; championed AI/ML adoption
- **Expert Engineer (E2) Graduate (Sep 2025):** Prestigious program, < 5% acceptance rate
- *Tech stack: AWS (Kinesis, S3, Athena), Denodo, Tableau, Python, CI/CD, Infrastructure-as-Code, DevOps*

##### Vice President, Software Engineer Head

Feb 2021 – Aug 2021

Mexico City, Mexico

*Asset & Wealth Management - Onshore Private Bank*

- Headed technology for the Onshore Private Bank through closure, supporting the platform to the final client exit as clients who remained with the firm moved their assets to International Private Bank's offshore platform; relocated to the US, bringing end-to-end brokerage-process knowledge into a remit that later expanded from LatAm to include EMEA and APAC
- Pioneered automation tooling winning Technology Originate competition with AI-driven business case; completed Drive Results Leadership Lab and High-Impact Leadership Programs

##### Senior Associate, Software Engineer Manager

Feb 2019 – Jan 2021

Mexico City, Mexico

*Asset & Wealth Management - Onshore Private Bank*

- Established testing best practices, reducing production defects; led tax reporting stabilization (37 control validations, zero-error compliance); served as Tax Season Technical SME
- Architected database automation tool reducing operational overhead; coordinated 7 major platform releases

##### Associate, Software Engineer Team Lead

Feb 2016 – Jan 2019

Mexico City, Mexico

*Asset & Wealth Management - Onshore Private Bank*

- Delivered analytics dashboards (150% adoption increase); implemented automated regulatory controls

Updated August 15, 2026

- Guide governance for global AI/robotics education community (50,000+ students reached, 45+ countries); first Trustee in organization history to have held every role from Junior participant to Trustee Board
- **Cvent Excellence Awards Finalist 2026** — 1 of 4 finalists from 63 global submissions, most fielded by large enterprises with dedicated full-time event teams: **sole** architect of the full Cvent platform (built with collaborator Marek Šuppa) powering the RoboCup World Championship — 2,600+ registrants · 45+ countries · \$820K+ record revenue · 95%+ fewer abandoned registrations · \$100K+ payment leakage eliminated
- Champion education initiatives from underrepresented regions; advise on financial sustainability and operational excellence for international competitions

### RoboCupJunior | 15-Year Leadership Progression

- **Senior Executive Committee** (2024-25: Salvador) — strategic advisory leadership for the global organization
- **Executive Committee** (2021-24: Bangkok, Bordeaux, Eindhoven) — guided governance of the global STEAM initiative
- **General Chair** (2016-19: Sydney, Montreal, Nagoya) — led competition delivery across volunteer teams spanning multiple continents
- **Organizing & Technical Chair** (2012-16: Leipzig, Hefei, João Pessoa) — planned and executed events for 500+ international participants
- **Mexican Robotics Federation (FMR):** Numerary Member (2015-Present), Board of Directors (2017-22) | **iVolunteerMx Founder** (2011-13): led 700+ volunteers, RoboCup Mexico City (3,000 participants, 40 countries)

### EDUCATION

#### Instituto Tecnológico Autónomo de México (ITAM)

2023

*Master's Degree with Distinction in Information Technology & Management*

- Business Intelligence & Data Analytics focus | Thesis: “Effects and exploitation of data analytics, AI & ML on second-tier bank value creation” | Vanderbilt Exchange Studies

#### Universidad Anáhuac Online

2021

*Diplomado en Inteligencia Artificial (Graduate Diploma in Artificial Intelligence)*

- Python-based AI implementation: cognitive systems, ML, neural networks, data science, model evaluation, and AI applications in banking and fintech

#### Universidad Anáhuac México Norte

2012

*Bachelor's Degree with Honors (Cum Laude) in Software Engineering & Information Technologies*

- Honors: Vértice Anáhuac Excellence Program (elite academic/leadership program); Wisconsin Exchange Studies

### CERTIFICATIONS & PROFESSIONAL CREDENTIALS

MIT xPRO — AI Strategy & Leadership | MIT/Emeritus · 6 CEUs

Jun 2026

BoardLearn — The Good Governance Boot Camp | Cause Strategy Partners

Feb 2026

JPMC Expert Engineer (E2) | JPMorgan Chase (< 5% acceptance)

Sep 2025

Generative AI Professional (GAIPC™) | CertiProf

Sep 2024

Machine Learning Technical Certificate | Trivera Technologies

Nov 2022

AWS Certified Cloud Practitioner | Amazon Web Services

Jul 2022

Academic Certificate in Business Analysis | IIBA

Dec 2015

### HONORS & AWARDS

Cvent Excellence Awards Finalist | Flagship Event (1 of 4 from 63 global submissions)

Jul 2026

RoboCup Outstanding Community Service Award

Jul 2025

Cum Laude — Master's Degree with Distinction | ITAM

2023

Technology Originate Competition Winner | JPMorgan Chase

2021

Cum Laude — Bachelor's Degree with Honors | Universidad Anáhuac

2012

Academic Excellence Diploma | Universidad Anáhuac

2012

### THOUGHT LEADERSHIP & SPEAKING

**Author & Speaker** — write and speak on engineering leadership, responsible AI-assisted engineering in regulated client-facing systems, and global STEAM education; essays at mytech.zone (also on Medium & LinkedIn)

### TECHNICAL & DOMAIN EXPERTISE

**Brokerage & Private Bank Platforms:** Orders, execution, allocations, accounts, instruments; regulatory suitability, tax reporting, operational and supervisory controls

**Architecture & Leadership:** Cloud-native architecture, data platform strategy, technical roadmap, cross-functional team leadership, vendor management, regulatory and controls

**AI Strategy & Governance:** Human-accountable AI-assisted engineering, enterprise AI governance frameworks, responsible AI data ethics, EU AI Act compliance

**Cloud Data & Analytics:** AWS (Kinesis, S3, Athena, Lambda, EC2), data engineering pipelines, ETL/ELT, real-time analytics, data governance, Denodo, Tableau

**Programming & Data:** Python, SQL, Java; data modeling, analytics engineering, AI/ML integration into business platforms

**DevOps & Platform:** CI/CD, Infrastructure-as-Code, Docker, Jenkins, deployment orchestration, SDLC, release governance

**Languages:** English & Spanish (bilingual, professional)