Roberto Bonilla Gonzalez

Senior Lead Software Engineer, Expert Engineer (E2), JPMorganChase

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Engineering leader bridging financial technology and global education. I direct data platforms across 6 JPMorganChase engineering centers and govern a 25,000-student STEAM community at RoboCup, making advanced AI approachable and turning complex systems into measurable impact.

Key Differentiators

- ✓ **Enterprise Engineering Leadership:** Vice President & Expert Engineer (E2, < 5% acceptance) leading global data-platform delivery across 6 engineering centers and 16+ engineers; trusted advisor to Executive Directors on multi-year strategy
- ✓ **Dual Leadership Identity:** Finance-technology executive + global education governance — RoboCup Federation Trustee (25,000+ students, 45+ countries; *first in history to hold every role from Junior participant to Board*)
- ✓ **Award-Winning Delivery:** Cvent Excellence Awards Finalist 2026 (top 4 of 63 global submissions); JPMorgan Technology Originate Competition winner
- ✓ **AI Governance Leadership:** Lead responsible, regulated AI adoption that strengthens and enables delivery teams; MIT xPRO AI Strategy & Leadership (2026)
- ✓ **Consistent Excellence:** Cum Laude at Bachelor's (2012) and Master's (2023); RoboCup Outstanding Community Service Award (2025); 14+ years across US/Mexico operations, 45+ countries, 700+ volunteers

Professional Experience

JPMorganChase | *14+ Years Progressive Leadership*

Vice President, Senior Lead Software Engineer & Expert Engineer
Feb 2026 – Present
Asset & Wealth Management - International Private Bank — Jersey City, NJ

- Advise Executive Directors on multi-year data platform strategy for International Private Bank and Brokerage; 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 make advanced AI and analytics approachable for executive, business, and control partners
- Lead AI-engineering adoption across 15+ delivery teams as *distributed leadership* — directing a 12-engineer co-located proof-of-concept and a quality uplift that raised code coverage to ∼95% with zero production regressions; established responsible, EU AI Act-aligned adoption standards. Grounded in MIT xPRO AI Strategy & Leadership (MIT/Emeritus)

Vice President, Lead Software Engineer & Expert Engineer
Sep 2021 – Jan 2026
Asset & Wealth Management - International Private Bank — Jersey City, NJ

- 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
Asset & Wealth Management - Onshore Private Bank — Mexico City, Mexico

- Led technology transition strategy during organizational restructuring; 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
Asset & Wealth Management - Onshore Private Bank — Mexico City, Mexico

- 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
Asset & Wealth Management - Onshore Private Bank — Mexico City, Mexico

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

RoboCup Federation | *Global Educational Leadership*

Trustee Board Member — Jul 2025 – Present

- Guide governance for global AI/robotics education community (25,000+ students, 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 and developer of the full Cvent platform 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 | 14-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 | Power of the Platform (1 of 4 from 63 global entries)	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

Technical & Domain Expertise

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
Architecture & Leadership: Cloud-native architecture, data platform strategy, technical roadmap, cross-functional team leadership, vendor management, regulatory and controls
AI Strategy & Governance: Enterprise AI governance frameworks, responsible AI data ethics, EU AI Act compliance, regulated financial AI adoption
Business Domain: Global financial services, wealth management, regulatory reporting and controls, enterprise BI, AI/ML strategy in banking
Languages: English & Spanish (bilingual, professional)

Thought Leadership & Speaking

Author & Speaker — write and speak on engineering leadership, AI adoption in financial services, and global STEAM education; essays at mytech.zone