

Juan Carlo Mejía Chang

+971 50 869 0853 • juancarlo@mejiachang.com • <https://www.mejiachang.com> • Dubai, UAE

Professional Profile

Data Analyst • ETL & Data Engineer • Business Intelligence & Analytics

With over 25 years of experience across multiple industries, I have spent recent years focused on data analysis, data engineering and business intelligence. I specialise in designing and managing data solutions that support strategic decision-making. My expertise spans data modelling, ETL processes, machine-learning initiatives and interactive reporting, all aimed at optimising operations and enhancing efficiency across the organisation and its teams.

I have demonstrable expertise in integrating multiple data sources to generate meaningful insights, excelling at identifying areas of process improvement, streamlining workflows and implementing automation to boost data accuracy and optimise performance. With a proven track record of fostering team collaboration, I communicate effectively with stakeholders to ensure the achievement of goals, KPIs and benchmarks.

Core Competencies

Data Analysis • Data Collection • Data Modelling • ETL & Data Engineering • Business Intelligence • Reports Development • Statistical Analysis • Machine Learning & Scenario Modelling • Programming for Data Analysis • Process Improvement • Requirements Gathering • Risk Management • Documentation • Project & Programme Management • Waterfall / Scrum Methodologies.

Technical Competencies

Data Engineering & Analysis.	Python, Pandas, Spark, Notebooks, Power Query, Foundry :: Pipeline Builder, Advanced Excel (VBA).
Business Intelligence & Reporting.	Power BI, Knowage, Foundry :: Quiver [+ Contour], Report Design, Data Visualisation, Reports Development, DAX, Data Modelling.
Data Platforms & Cloud.	Palantir Foundry, Microsoft Fabric, Foundry :: Ontology, Cloud Data Services, Distributed Data Workflows, Dataflows, Lakehouses & Warehouses.
Machine Learning & Modelling.	Predictive Modelling, Scenario Modelling, Operational Intelligence, Automation, Big Data Analytics, Foundry :: AIP [+ Modelling Objectives].
Apps Development.	Angular (Front-End), Django (Back-End), RESTful API Development, HTML5, CSS3, Tailwind, TypeScript, Responsive Web Applications, Foundry :: Workshop & Slate, Desktop Application Development with Electron.
Databases.	PostgreSQL, MySQL, SQLite, Database Design, Data Modelling, Data Integration.

Relevant Work Experience¹

Manager - Analysis and Processes

July 2026 – Present.

Operations, Organisational Performance - Dubai Holding Real Estate [DHRE]

Dubai, UAE.

Reporting to: **Vice President - Organisational Performance, Operations Management.**

- Supporting the design and implementation of a data-driven Organisational Performance Platform (OPP) on Palantir Foundry, helping standardise KPIs, data points, sources, ETL pipelines, ontologies, analytics and reporting across operational divisions.
- Building data engineering and analytics solutions for Special Projects, developing pipelines, data models and applications that turn fragmented operational data into decision-ready intelligence for leadership.
- Contributing to machine-learning and scenario-modelling initiatives for operational intelligence, predictive insight and automation across the operations portfolio.
- Acting as business analyst and developer end-to-end, gathering requirements, modelling processes, and delivering the tools, dashboards and reports that stakeholders use to run the business.

Manager - Analysis and Processes

June 2024 – June 2026.

Contract & Procurement - Dubai Holding Real Estate [DHRE]

Dubai, UAE.

Reporting to: **Chief Contract and Procurement Officer.**

- Developed and maintained data analysis tools and reporting capabilities for the DHRE Contracts & Procurement Team, primarily using Power BI, Advanced Excel (including VBA), SQLite and Python to perform ETL processes, transform, clean and aggregate data for analysis.
- Conducted a Gap Analysis to assess data quality, task tracking and data collection following the merger of Nakheel's Procurement team with DHRE, identifying key areas for improvement and successfully implementing a data-driven digitalisation roadmap to standardise and enhance tracking and data quality across both teams.
- Enhanced the process into a fully multi-user, online task-tracking solution using SharePoint and MS Teams, improving data accuracy, reducing processing time by 90%, and eliminating data-entry errors via validations and master codes.
- Developed numerous online reports providing insights across all key areas for management, internal teams and external business units, including executive summary reports for the CEO Office, all adhering to the company's design standards and branding guidelines.
- Migrated the entire data ecosystem to Microsoft Fabric using a Medallion Architecture with Lakehouse, Dataflows, Pipelines and Notebooks to fully automate ETL processes and report generation, optimising data collection and consumption and significantly improving report accuracy and operational efficiency.
- Developed two solutions to replace the SharePoint Excel trackers, a desktop app in Electron with Angular and SQLite, and a SharePoint Lists front-end in PowerApps, enhancing user experience and efficiency.

¹ Only positions that align with the Analysis, Processes and Data domain.

Manager - Analysis and Processes

August 2021 – June 2024.

Procurement and Contracts - Nakheel

Dubai, UAE.

Reporting to: **Chief Procurement Officer.**

- Performed a Gap Analysis to assess data entry, task tracking and digitalisation processes for the Nakheel Procurement and Contracts Team, identifying key areas for improvement and implementing a data-driven digitalisation roadmap to standardise and improve tracking and data quality across the team.
- Developed and maintained data analysis tools and reporting capabilities, primarily using Power BI, Advanced Excel (including VBA) and Python to perform ETL processes, transform, clean and aggregate data for analysis.
- Implemented a normalised schema for the team's tender trackers as a data source for dashboards and management reports, achieved in Excel with heavy validation through VBA macros and forms - reducing data-processing time by 75%, fully eliminating data-entry errors, and cutting data-cleanup efforts by 40%.
- Developed and automated datasets to feed Power BI reports using Microsoft Flows and Python, reducing manual intervention and allowing staff to focus on core tasks; delivered numerous reports including five for the CEO Office.
- Integrated, modelled and established data relationships between Vendor Data Systems, Prequalification task data, Oracle Procurement Modules and Tender Trackers, using VBA-enhanced Excel forms and Python.

Chief Project Manager

July 2018 – September 2020.

DUTECH / Customs World

Dubai, UAE.

Reporting to: **CEO.**

- Governed and oversaw technology teams, consolidating work plans, schedules, phases and budgets (AED 100M+/-) into a master programme plan; delivered executive-level reports, dashboards and insights as a key member of the Executive Advisory Team.
- Introduced and mentored the Business Development Team in optimised processes for accurate cost estimation, staff sizing and scheduling, resulting in a 50% reduction in overheads and an 80% reduction in under/over-estimation cases.
- Senior PM and Consultant for the Dominican Republic Customs and Suriname Customs Transformation and Modernisation; established key relationships with government entities and public/private organisations globally.

Senior Project Manager

August 2012 – July 2018.

CrimsonLogic Chile SpA.

Santiago, Chile.

Reporting to: **VP of Regional HQ, LATAM & Caribbean.**

- Performed Project Management and Agile Transformation for the implementation of Chile's Single Electronic Window for International Commerce, and performed IT Infrastructure Project Manager duties for the Bahamas Single Electronic Window System and the Chile-Peru Interoperability Platform (IOP).
- Created and implemented Business Intelligence and Analytics solutions related to trade and commerce for the President of Chile's Digital Transformation Committee.

Senior Technical Presales Engineer
CrimsonLogic PTE LTD.

April 2009 – August 2012.
Singapore.

Reporting to: **VP of Technical Sales and Solutions Engineering.**

- Developed and delivered competitive, feasible IT solutions for government agencies in Singapore and globally, incorporating data analytics, reporting and insights to optimise decision-making, while successfully securing bids in Singapore, Chile, Bahamas, Trinidad & Tobago, Suriname and Saudi Arabia, leading to awarded contracts valued at over USD 300M.

Certifications

Certified Scrum Master [000805452].	Buenos Aires, Argentina. 2018.
IBM Servers Presales Specialist.	IBM, Singapore. 2007.
E-Government Implementation Specialist.	KOICA - Seoul, South Korea. 2003.
Java Development for E-Government.	Tata Infotech - New Delhi, India. 2002.

Education

Building Predictive Machine Learning Models eCornell (Online)	Completed, 2025.
Artificial Intelligence: Implications for Business Strategy MIT Sloan School of Management (Online).	Completed, 2019.
Bachelor of Science (B.Sc.) Instituto Comercial Panamá - Panama City, Panamá.	Completed, 1992.

Languages

Spanish (Native) • English (Fluent).