MARIO ZAMUDIO

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Professional Summary

Data Analytics and Telecommunications Solution Architect with 23+ years of experience designing, implementing, and supporting complex systems for leading telecom carriers in Latin America and Canada. Expert in data cleaning, marketing analytics, engineering, and automation—skilled at translating business needs into technical solutions and leading cross-functional teams to deliver results.

Currently pursuing a Master's in Data Analytics at the University of Niagara Falls, deepening expertise in Python, SQL, Power BI, Tableau, SPSS, and advanced statistical modelling. Proven ability to integrate modern analytics with a robust engineering background to create innovative, insight-driven solutions for the evolving needs of the technology and telecommunications sectors.

Recognized for outstanding academic achievement (President's Academic Distinction List), creative problem-solving, and delivering measurable business value through data.

Canadian Experience

Solution Architect, HPE (May 2010 – Oct 2024)
Colombia

- Led solution architecture and deployment for major telecommunications clients in Americas, including Bell Canada.
- Collaborated with cross-functional teams in multicultural, bilingual environments.
- Delivered analytics, provisioning, and automation solutions tailored to the telecommunications market.

Uber & Lyft Driver (Jan 2025 – Present)
Niagara Falls, ON, Canada

- Provided professional transportation services to a diverse customer base, maintaining a 4.9+/5.0 rating across Uber and Lyft platforms.

VIP Greeter (Volunteer), Wine Country Tailgate Party (Jul 2025)
Runner (Volunteer), Niagara Falls Comic Con (Jun 2025)

- Supported event operations by assisting with logistics, running errands, and providing audience support in a fast-paced environment.

Technical Skills

- **Programming & Analytics:** Python, SQL, Java, C++, SPSS, Power BI, Tableau

- **Data Science & BI:** Data Cleaning, Exploratory Data Analysis (EDA), Regression, Classification, Clustering, Forecasting, Marketing Analytics, Statistical Testing, Predictive Modelling, Data Visualization

- **Engineering & Solution Architecture:** Project lifecycle, presale to deployment, automation, integration (API, ETL, SOA), CI/CD (GitHub, Jenkins, Ansible)

- **Databases:** Oracle, MySQL, PostgreSQL, Vertica

- **Tools & Platforms:** Anaconda, Jupyter, Google Colab, PyCharm, Git, Jenkins, Power Query, Confluence, UML, Drawio, Plantuml

- **Testing & Automation:** JMeter, SoapUI, Postman, SpiraPlan, Testlink
- **DevOps & Agile:** SAFe, SCRUM, automated deployment and testing

Data Analytics Project Highlights

- **Global Trade Analytics:** Analyzed 34 years of worldwide trade using Python and Tableau.
- **LAPD Crime Data Analysis:** Built machine learning models to predict solvability of crime cases.
- **Traffic Accident Prediction:** Developed regression models using weather and geospatial data.
- **Superstore & Global Orders Dashboards:** Created interactive Tableau dashboards for insights.
- **Electric Vehicles, Iris, Housing & Bike Sharing:** Statistical analysis with Power BI dashboards.

Professional Experience

Solution Architect – Data & Analytics, HPE (May 2010 – Oct 2024)
Colombia & Canada

- Led end-to-end solution design and deployment for telecom clients.
- Architected real-time data processing tools using Agile, Git, Jenkins, Ansible, CI/CD.
- Reduced campaign setup from 10 days to 2 minutes; automated testing improved releases from 10 days to 1.
- Clients: ETB Colombia, Movistar, Tigo, Claro (CO/EC/PE), AT&T México, Bell Canada.

Senior Technical Consultant, Indra (Mar 2008 – May 2010)

- Implemented SOA using Siebel and TIBCO; reduced provisioning from 15 days to 2.

Senior Analyst, Millicom (Tigo) (May 2005 – Mar 2008)

- Led mediation, automation, and integration of telecom operations.

Technical Consultant, Hewlett-Packard (Jun 2004 – May 2005)

- Developed systems for billing reconciliation using Java and J2EE.

Software Developer, Proyectos Compartidos (Dec 2002 – Jun 2004)

- Created banking applications and neural networks to forecast ATM cash needs.

Education

- **MSc Data Analytics,** University of Niagara Falls (2024–2026)
  President's Academic Distinction List (Fall, Winter, Spring)
  Academic Scholarship recipient
- **Project Management,** University Santo Tomás, Bogotá (2009–2010)
- **Mobile Telecommunications,** University Francisco José de Caldas, Bogotá (2003–2004)
- **Electronic Engineering,** Universidad Nacional de Colombia, Manizales (1996–2002)

Certifications

- Certified SAFe® 6 Product Owner/Product Manager (2023)
- Scrum Fundamentals Certified (2020)

Languages

Spanish (Native/Bilingual), English (Full Professional/Advanced)

Soft Skills

Cross-team leadership, Results orientation, Strategic planning, Adaptability, Creativity, QA, Communication

Professional Affiliations

Colombian National Professional Council of Electrical, Mechanical Engineering and Related Professions (2010–Present)

References available upon request.