Martin Brocca
Solution Architect

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Highly-Motivated IT professional with 18+ years of experience in solution architecture, data platforms, and enterprise technology. Currently leading data technology projects at ExxonMobil, with expertise in cybersecurity, cloud technologies, architectural frameworks, and cross-functional team leadership. Fluent in English and Spanish.

Work Experience

Solution Architect
ExxonMobil | Spring, Texas

Jun 2023 - Present

- Led strategic initiative renewing the Upstream Unconventional data technology platforms, demostrating consistency in delivering high-quality architectural solutions for complex IT projects.
- Collaborate with cross-functional teams to architect and deploy advanced analytics. Establish guidelines and technology roadmap, ensuring successful project delivery, work prioritization and alignment across initiatives.
- Provided guidance and coaching to future leaders, fostering their development and empowering them to take on key technical and leadership roles within the organization.
- Served as Lead Architect for integrating data with acquired companies' platforms, ensuring seamless integration and system coherence while identifying inefficiencies in business processes
- Assisted on cloud compute cost reductions initiative achieving 30% savings meeting our business objective.

Solution Architect
ExxonMobil | Spring, Texas

Oct 2022 - Jun 2023

Solution Architect, serving as a liaison among different internal organizations to identify critical data and gather requirements for IoT and Digital Twin initiatives.

- Engage with external vendors and partners to explore collaboration opportunities and leverage their expertise for solution development.
- Build and maintain relationships within Upstreams lines, sharing IT technology roadmaps to influence business operations digitalization.
- Demonstrated inclusive decision-making process by collaborating with cross-functional teams to understand requirements and devise optimal solutions

Solution Architect
ExxonMobil | Spring, Texas

Nov 2019 - Dec 2022

- Designed and implemented a unified observability platform for the overall IT telemetry and logging systems, identifying gaps in monitoing, enhancing data accessibility and consistency, reducing silos, and enabling informed decision-making and automations.
- Define a monitoring/AIOps technology strategy and served as main evaluator for a monitoring tool replacement program, streamlining and enhancing the company's overall observability
- Responsible for Cloud Monitoring strategy, developing standards and best practices for Cloud Monitoring.
- Managed and conducted regular presentations, leveraging Microsoft Office's PowerPoint tool, on the latest technology trends and solution architectures to educate team members and clients
- Responsible for the portfolio management by feeding projects, requirements, and work into the product portfolio to align with strategic goals and ensure successful execution
- Mentor and coach of future technical experts.

Product Manager
ExxonMobil | Buenos Aires, Argentina

Jan 2018 - Dec 2019

Managed a diverse customer'set that includes all externally accessed EBusiness and corporate applications and services to interconnect the company with remote employees or third-party customer's (IPSec and SSL VPNs)

- Provided functional supervision for 4 globally distributed teams (40 developers), offering engineering and escalation support across all environments in an agile work management approach.
- Develop business cases for DDoS and cybersecurity resiliency solutions supporting the product vision.
- Applied financial planning to manage portfolio's project funding ensuring efficient resource allocation and budget control.

Delivery Lead
ExxonMobil | Buenos Aires, Argentina

Jan 2017 - Jan 2018

Leveraged leadership skills to coordinate a cross-functional team in the design, implementation, support, and change management of the company's DMZs and internet-related services.

- Responsible for the DMZ project portfolio management to effectively track progress and ensure service continuity and value delivery.
- Coordinated SWAT teams and War Rooms during major operational incidents with meticulous attention to detail and a focus on continuous improvement.
- Define service KPI's for management's monthly reporting and awareness
- Demonstrated expertise in Maintaining Relationships through effective communication skills in collaborating with clients and stakeholders while designing and implementing PCI DSS ebusiness solutions
- Lead application performance analysis on highly latency impacted applications, identifying root causes by improving scalability configurations.

Project Manager
ExxonMobil | Buenos Aires, Argentina

Mar 2014 - Mar 2017

Proven adaptable skill set was essential in successfully accommodating unexpected technological challenges leading diverse projects.
Develop, own & execute communication plans driving engagement and alignment

- Next-Gen DMZ Implementation: Directed a $5M project to design and build the corporation's DMZs, leveraging virtualization and modern platforms while complying with cybersecurity requirements for different services offering, including VPN and PCI DSS applications.
- Led cross-functional initiative to reduce project's procurement times by identifying and removing bottlenecks.
- Conducted comprehensive risk assessments to identify potential issues in IT solutions and implemented mitigation strategies.

Team Leader
ExxonMobil | Buenos Aires, Argentina

Jan 2011 - Mar 2014

Led a team responsible for global business support management and facilitate efforts on strategic planning and process efficiency.

- Led an inclusive team-oriented approach in designing sustainable IT solutions, resulting in improved efficiency and cost savings

Linux Administrator
ExxonMobil | Buenos Aires, Argentina

Aug 2008 - Jan 2011

Provide technicalsupport for 2000 Linux/HP-UX/AIX/Solaris servers.

- Developed multiple shell script for task automation, process improvement and operations efficiencies.

Network Administrator
Gestion Compartida | Buenos Aires, Argentina

Apr 2007 - Jul 2008

Manage enterprise and customer's information systems

- Provide support and configuration: Firewalls, VPNs, LAN, Wireless connectivity, Windows and HP-UX servers.
- Responsible for cybersecurity planning and cybersecurity metrics for the overall company's systems

Network Administrator
Llao Llao Hotel and Resort | San Carlos de Bariloche, Argentina

Mar 2005 - Feb 2007

Manage Hotel's information security, network and servers.

- Lead migration from Novell Networks to Windows.
- Designed and specified the structured cabling system for a building expansion, coordinating with the construction team to ensure proper implementation.

Core Skills

Cloud Computing, Data Warehousing, Technical Leadership, Requirements Management, Technical Strategy, Telemetry, Engineering, SSL-TLS (Secure Socket Layer - Transport Layer Security), Change Control, Internet / Online Service, Leadership, Multicultural, Strategic Planning, Process Improvement, Firewalls, Wireless Communications, Agile Programming Methodologies, Analysis Skills, Computer Science, Data Analysis Data Management, Enterprise Architecture, Internet of Things, Microsoft Azure, Problem Solving Skills, Risk Management, Scrum Project Management, SQL, Cost Control, Data Collection, Standards Development, Best Practices, Service Delivery, DMZ, Root Cause Analysis, People Management, Architectural Services, Technical / Engineering Design, Project / Program Coordination, Project Design, Project Tracking Hardware Virtualization, Team Lead / Manager, Linux Administration, Operational Strategy Operational Improvement, Architectural Analysis, Cloud Architecture, System Migration, Systems Engineering, Vision Plan, Architectural Design, Business Strategies, Flexible, Focused, Long-Term Planning, Computer Security, Local Area Network (LAN), Wireless LAN, Identity Management, System Architecture, Project Management, Portfolio Management

Education

Universidad de Buenos Aires
Jan 2022 - Dec 2023

Certificate Internet of Things

Universidad Nacional del Sur
Jan 1999 - Dec 2004

Bachelor Computer Science Engineer

Languages

English *(fluent)*, **Spanish** *(fluent)*

Certificates

The Open Group Architecture Framework (TOGAF) Foundation
The Open Group Forum

Dec 2020

AWS Certified Cloud Practitioner
Amazon Web Services Training and Certification

May 2021

AWS Certified Solutions Architect (Associate)
Amazon Web Services Training and Certification

Jan 2022

Professional Scrum Product Owner™ I (PSPO I)
Scrum.org

Sep 2023