



Javier Villagra

Solution Architect | Tech Advisor | ML Engineer

ABOUT

Seasoned Architect and Systems Engineer with more than 12 years of experience designing and implementing complex systems for large banks and fintech. He has worked with a diverse range of clients throughout LATAM, providing innovative solutions that meet their business needs.

After years of designing large-scale solutions, Javier firmly believes that architectural design is the key element for delivering solutions that precisely match product needs and exceed customer expectations. Consequently, he has independently collaborated with diverse enterprises, crafting robust and cost-effective solutions aligned with their business objectives. Furthermore, his strong understanding of AI provides clients with a distinctive competitive advantage in today's global landscape. Specializing in crafting AI solutions, his expertise extends to the creation of reliable models, solid projects, and governance processes. He is committed to enabling his clients to succeed and thrive in this rapidly changing competitive market.

EXPERIENCE

Self-employed

May 2022 - Present

SOLUTION ARCHITECT | TECH ADVISOR | ML ENGINEER

Align business objectives with solution-level decisions to develop tailored solutions for clients. Evaluate the solution's current architecture and tradeoff quality attributes to identify areas for improvement.

Create strategic plans and describe gaps between the company's current and target state.

Develop high-level product specifications and design documents for client solutions.

Guide and assist development teams throughout the project lifecycle.

Troubleshoot and resolve coding or design issues.

Design, implement, and maintain ML models tailored to solve specific business problems.

Integrate ML models into production systems.

Present regular progress reports and set goals to ensure project success.

Analyze opportunities, risks, benefits, and costs to make informed decisions.

Perform homologation testing for full alignment with business needs.

Jun 2013 - Jan 2022

Technisys

SOLUTION ARCHITECT & PROJECT LEADER - OMNICHANNEL SOLUTION SPECIALIST

Banco Patagonia, Argentina

Developed a detailed and comprehensive plan for migrating banking channels from SOA to Microservices architecture, selecting an appropriate tech stack with cutting-edge technologies such as Azure, OpenShift, k8s, Jakarta EE, Quarkus, Istio, Elastic Stack, Vault, Terraform, among others.

Designed the whole intentional architecture (to be) using Domain Driven Design Strategic Patterns.

Created a complete and well-defined process for migrating SOA services to Microservices domains.

Conducted a detailed assessment of project timelines and resource requirements.

Banco Macro, Argentina

Led the team responsible for implementing new digital channels for the bank, providing guidance and direction for the successful implementation of a SOA solution using J2EE, IBM Integration Bus, Tomcat, Oracle database, among others.

Developed high-level architectural specifications and design documents.

Created strategic plans and identified gaps between product baseline and target state.

Guided and assisted the development team in the whole process.

Managed the project utilizing Scrum methodology, overseeing all aspects of project planning, execution, and monitoring.

Developed a comprehensive integration strategy for connecting multiple third-party core systems with the channel's ESB.

Conducted effective troubleshooting and resolved issues with coding, design and infrastructure.

CONTACT

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SKILLS

Enterprise Architecture

Solution Architecture

Domain-Driven Design (DDD)

Microservices

Artificial Intelligence

Machine Learning

Deep Learning

Project Management

Agile Management

Scrum

Fintech

k8s

Java EE

Python

EDUCATION

2023 -

**POSTGRADUATE DEGREE,
AI SPECIALIST**

Universidad de Buenos Aires

2008 - 2014

**ENGINEER'S DEGREE,
SYSTEMS ENGINEERING**

Universidad CAECE

2001 - 2008

SYSTEMS ENGINEERING

Universidad de Buenos Aires



Javier Villagra

Solution Architect | Tech Advisor | ML Engineer

EXPERIENCE

Banco Itau, Argentina

Led the restoration of a large-scale project in critical condition by collaborating with a team to implement a SOA banking channel solution. Employed a wide range of technologies including J2EE, WAS Liberty, IBM Broker, and MS-SQL server database to achieve a successful outcome. Reported directly to the CEO while overseeing all aspects of project planning, execution, and monitoring, ensuring that project goals were achieved and stakeholders were satisfied. Created a detailed and effective strategic plan for a complex project with a tight timeline. Managed the project using Scrum methodology. Led and aligned the project team towards achieving the bank's objectives. Served as a technical mentor, providing guidance and expertise to the team.

Banco del Pacífico, Ecuador

Led a cross-functional team to gather comprehensive functional and non-functional requirements for a banking channel project. Utilized a diverse array of technologies, including J2EE, WebLogic, Oracle Service Bus, and Oracle databases, among others, to deliver a robust and reliable SOA solution. Created strategic plans and identified gaps between product baseline and target state. Identified the necessary skills and resources needed for the project and assembled a competent team. Conducted a complete analysis to identify and select the most suitable baseline product. Acted as a technical mentor and provided guidance to the team.

Global Bank, Panamá

Collaborated extensively in functional analysis meetings with the client to identify their business needs and worked closely with them to develop a tailored banking channel solution based on SOA. Developed a comprehensive plan for conducting the gap analysis in the project. Played a key role in gathering and analyzing technical requirements, ensuring that the final product met all necessary non-functional specifications. Effectively identified gaps between product baseline and target state.

Apr 2012 - May 2013

Technisys

JAVA DEVELOPER & IT CONSULTANT

Java Developer & IT Consultant for Banco Hipotecario's home banking maintenance project. Identified opportunities for improving platform performance and reusability through in-depth analysis of architecture and design. Developed strategies and implemented solutions to optimize the existing system performance.

Dec 2011 - Mar 2012

Juniper Travel Technology

PROJECT LEADER - BUSINESS LEADER

Project Leader at Juniper's search engine maintenance project in Argentina. .NET Platform.

2010 - Dec 2011

Asatej (now almundo.com.ar)

PROJECT LEADER

Led and managed the Intranet maintenance project, collaborating closely with Asatej managers to align platform improvements with business objectives. Created high-level product specifications, design documents, and architectural blueprints for the development team to follow. Employed Agile development methodologies, specifically Scrum, to ensure efficient and effective project delivery. Conducted final product testing to ensure functionality and compliance with requirements.

For more detailed information on my previous experiences, please visit my LinkedIn profile.

CONTACT

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CERTIFICATIONS

SCRUM FUNDAMENTALS CERTIFIED (SFC)

[SCRUMStudy](#) - Cert. ID: 977149

INTRO TO MACHINE LEARNING

[Kaggle](#)

INTERMEDIATE MACHINE LEARNING

[Kaggle](#)

TIME SERIES

[Kaggle](#)

ISTIO HANDS-ON FOR KUBERNETES.

[Udemy](#): UC-1c9cee04-9431-42c1-97e6-712960663896

ELASTIC STACK 7. BEATS, LOGSTASH, ELASTICSEARCH, KIBANA. ELK.

[Udemy](#): UC-363adaea-c9e7-41e7-a788-696b2f7bd96e

LANGUAGE

SPANISH

Native or bilingual proficiency

ENGLISH

Professional working proficiency

ITALIAN

Professional working proficiency