

# LEANDRO EMILIANO GARAYOA

Informatics Engineer

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🌐 <https://vasquito.github.io/LGisITTechie/>

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## PROFESSIONAL PROFILE

**Senior Software Engineer with a technical focus on Software Architecture, ETLs and Data Solutions, with experience in Big Data, analytics and technical visualization.**

Computer Science Engineer with a solid track record in backend development, software architecture, and data solutions. Specialized in Java (Spring Boot, Batch, Security), Python (FastAPI, ETLs, Jupyter), applying architectural principles such as hexagonal, multi-tier, microservices, and event-driven.

Design and development of efficient ETL pipelines and datalake/medallion architectures, integrating external APIs and messaging systems (Kafka, RabbitMQ, Tibco, MqSeries).

Experience in Big Data environments, applying tools such as ETL development, Apache Nifi, Spark, Pandas and Jupyter for distributed processing, log analysis and technical visualization (Power Bi, Kibana and Jupyter).

I also do complementary front-end development with React and jQuery, integrating functional components into full-stack solutions when the project requires it.

Finally, I focus on CI/CD automation, testability, and best practices to build robust, maintainable, and results-oriented solutions.

I stand out for my technical judgment at all stages of development: functional analysis, technical design, implementation, automated testing and documentation. I bring strategic vision, autonomy and active team collaboration.

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**AWS | Java | Python | C# | ETL | IA (LLM-RAG-Agente IA) | Big Data | Data Analyst / Scientist | React | JQuery | Javascript | Cloud**

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## ACADEMIC TRAINING

**Computer Science Engineer** - Universidad Católica Argentina - 1996 to 2002

**Mercantile Bachelor** - Instituto San Rafael - 1991 to 1995

## LANGUAGES

Spanish: Native | English: Intermediate (B1) | Portuguese: Basic (A2)

## TRAINING AND INTERNSHIPS

- **Certifications and training:** they are available in the [Academic Training / My Training](#) section
- **Personal achievements:** they are detailed in [My Personal Achievements](#) with my applied projects: *Data Analytics & Data Science* and *Frontend with React* con their Demos, Technical Demos

## PROFESSIONAL EXPERIENCE

For more information, see the Professional Training section at [vasquito.github.io/LGisITTechie](https://vasquito.github.io/LGisITTechie), where you will find details about the tools, technologies and approaches used in the projects.

I am going to detail my last 3 work experiences.

- **Globant - Position: Java Developer Architect**

February 2021 - June 2025

**Software Engineer | DATA/IA Area**

Java Developer Architect role in data projects combining backend development, cloud architecture, and advanced analytics.

- **Development and maintenance** of microservices and ETL pipelines in Java (Spring Boot) and Python (FastAPI), applying modern architectural principles
- **Technology migration** of Java 8 services to Java 11/17
- **Cloud Architecture** with (EC2, ECS, Lambda)
- **Technical support and code reviews** (PRs), issue resolution and vulnerability analysis, proof of concepts, technical debt.
- **Data Engineering and Data Science solutions:**
  - + Solutions with NIFI
  - + Data modeling (DERS), Lakehouse/Data Lake architecture
  - + Log and metric analysis with Jupyter, Pandas, Matplotlib, Power BI
  - + Integration of OpenIA models LLM into Python microservices for similarity search process
- **DevOps:** CI/CD, Docker, Dockerfile, Vulnerability analysis

- **ANSES - Position: Solutions Architect**

March 2019 - February 2021

**Solutions Architect with guidelines in Java / .NET**

Participated in the design and development of BFF microservices, reusable archetypes, and DLL libraries in Java and .NET (logs, MSMQ, Elasticsearch). Participated in microservice integration (email, Remedy), technical support, and definition of architectural best practices. Collaborated in the adoption of OpenShift, developing containerized microservices and documenting technical guidelines. I implemented CI/CD pipelines in Azure DevOps and Data Engineering solutions:

- + Listener-based ETL to process millions of MSMQ messages and prevent crashes in MSSQL
- + Batch ETL to audit critical logs and store them in Elasticsearch
- + Real-time monitoring development with Kibana + alerts

- **Accenture - Position: Application Developer Specialist**

January 2004 - March 2019

**Software Engineer | Proyectos Multicliente**

I participated in more than 10 projects for clients such as Telefónica, Banco Galicia, Telecom, ICBC, and ISBAN, standing out for my technical autonomy and adaptability.

- + Developed applications from scratch for Telefónica Argentina, including multi-tier design and evolutionary maintenance
- + Participated in an international project (Spain), with technical transfer and training in Rosario
- + At Banco Galicia and Telecom, I made my architectural decisions, achieving scalable and maintainable solutions
- + Integration with external systems through REST APIs, web services, and messaging
- + Development of batch ETL processes for managing large volumes of data
- + At ICBC and ISBAN, I deepened my knowledge of REST frontend and microservices, improving software performance and quality

## TECHNICAL SKILLS

### LENGUAJES

Java · Python · .NET · JavaScript · SQL

### BACKEND

JAVA	PYTHON	.NET
<b>Frameworks Spring:</b> Spring Boot · Spring Data / Redis · Spring MVC · Spring Batch · Spring Security · Spring Integration · Spring REST · Spring LDAP · Spring AMPQ · Spring Cache · Spring AOP <b>J2EE / Core Java:</b> EJB · JDBC · Swing · Lambda <b>Model &amp; Data:</b> JPA · Hibernate · OpenJPA <b>Architecture MVC:</b> Spring MVC · EJB · Struts 1.0 <b>Web Services:</b> REST · SOAP · Axis · Apache CXF · Spring Integration <b>Messages / Event-Driven:</b> JMS · MQ Series · Tibco · RabbitMQ · Kinesis <b>Cache:</b> Redis · Elasticache · MongoDB · Spring Cache · In-Memory <b>Rules Engine:</b> Drools · EasyRules <b>Other Java components:</b> Maven · Castor · iText · JasperReports · JMesa · DisplayTag · JFreeChart · Captcha · jaspyp · PDFBox · QR · Barcode	<b>Frameworks and Microservices:</b> FastAPI · Flask · Django <b>Data Science / Machine Learning:</b> NumPy · Pandas · Spark · Scikit-learn · Matplotlib · Plotly · Seaborn · Pgvector <b>Integrations &amp; APIs:</b> Requests · REST · Swagger · Markdown (GitLab/GitHub) <b>Model &amp; ORM:</b> SQLAlchemy <b>Tools:</b> PyCharm · VSCode · Jupyter Notebook · Anaconda · Google Colab <b>AI &amp; Vector Search:</b> OpenAI · Pgvector, Chroma <b>Others:</b> Lambda · In-Memory Cache, DuckDB	<b>Frameworks:</b> .NET Core/Standard/Framework <b>Web Services:</b> REST · SOAP <b>Mensajería / Queue:</b> MSMQ <b>Testing / BDD:</b> NUnit <b>Cache:</b> In-Memory

**Architecture:** Hexagonal | Multi-trie | Microservices | Event-Driven | CQRS | Event Sourcing | BBF | MVC

**Messages:** Kafka · RabbitMQ · Tibco · MQ Series · Kinesis

**Authentication:** JWT · Basic Auth · Spring Security

**Testing:** JUnit · Mockito · JaCoCo · NUnit · Coverage · BDD

**Cache:** Redis · Elasticache · MongoDB · Spring Cache · In-Memory

**Multithreads:** Java · .NET

**Encryption mechanisms** with Java · Python · .NET

### IA

**Assistants IA:** Gemini · Copilot – ChatGPT

**GenAI Paradigms:** Agente AI, LLM, RAG

**LLM:** Cortex (motor local para models) – Llama, Depseek, Mistral, OpenIA

**Frameworks LLM:** LangChain4j · Spring AI · OpenIA

**Vector Database:** pgVector, Chroma

Chatboot development with ReactJS, Microservices/Pipelines for AI with Java and Python

### DATA: Big Data, Analysis y Visualization

**Data Science / ML:** Pandas · Numpy · Scikit-learn · Spark · Matplotlib · Plotly · Seaborn

**Tools:** Jupyter Notebook · Anaconda · Google Colab · PyCharm · VSCode

**BI & Dashboards:** Power BI · Looker Studio · Elasticsearch, Logstash, Kibana · Apache NiFi · D3.js

**Databases:**

- **SQL:** PostgreSQL · MySQL · MSSQL · Oracle · Amazon RDS · Microsoft Fabric · HSQL · Access
- **NoSQL:** MongoDB · DocumentDB · Elasticsearch · Microsoft Fabric

### Frontend

React · jQuery · JavaScript · Bootstrap · DataTables · JSON · AJAX · CSS · DHTML · JQueryMobile

### Cloud & DevOps

AWS (S3, EC2, ECS, Kinesis, Elasticache, DocumentDB, Lambda) · GCP · Azure · Docker ·

Kubernetes · Minikube · Openshift · Jenkins · GitHub Actions · Istio · Service Mesh · Jagger · Grafana · CI/CD

**Versionado:** GitHub · GitLab · Azure · TFS · Git Flow

**API Definitions:** Swagger · Markdown (GitHub/GitLab)

**Análisis:** JMeter · JConsole · SoapUI · ARC Rest · SonarQube

### BPM

Camunda · BPMN · State Machine Customs, Flows Models, components, process BPMN y State Machine Customs, Workflows

### Architect Design

Draw.io · UML · DFD · Enterprise Architect · Visual Paradigm