

LEANDRO EMILIANO GARAYOA

Informatics Engineer

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

PROFESSIONAL PROFILE

Senior Software Engineer with a solid track record in Backend/Frontend, Software Architecture, and Data Solutions, specializing in Java (Spring Boot, Batch, Security), Python (FastAPI, ETLs, Jupyter).

Experience with modern architectures (hexagonal, multi-tier, microservices, and event-driven) and integration with mainframes (z/OS, CISC), as well as with external APIs and messaging systems (Kafka, RabbitMQ, Tibco, MQ Series).

Design and development of efficient ETL pipelines and data lake/medallion architectures, applying Big Data tools (ETL development, Apache NiFi, Spark, Pandas, Power BI, Kibana).

I also perform complementary frontend 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 proactivity, strategic vision, autonomy, and multicultural collaboration in all stages of development (functional analysis, technical design, implementation, automated testing, and documentation).

AWS | Java | Python | C# | ETL | AI (LLM-RAG-AI Agent) | Big Data | Data Analyst / Scientist | React | jQuery | JavaScript | Cloud | NodeJS | TypeScript

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

TECHNICAL SKILLS

👉 Full version of Technical Skills ([My Skills](#))

Compact Version

Languages and Frameworks: Java (Spring Boot, Spring Data/Redis, Spring MVC, Spring Batch, Spring Security, Spring Integration, Spring REST, Spring LDAP, Spring AMQP, Spring Cache, Spring AOP, Hibernate, JPA, Struts, EJB) | **Python** (FastAPI, Flask, Django, Pandas, Spark, Scikit-learn) | **.NET Core/Framework** | **NodeJS** | **JavaScript/TypeScript** (React, TypeScript, jQuery, JavaScript, Bootstrap, MaterialUI, DataTables, JSON, AJAX, CSS, DHTML, JQueryMobile)

Architectures and Patterns: Hexagonal, Multi-tier, Microservices, Event-Driven, CQRS, Event Sourcing, BFF, MVC | Integration with mainframes (z/OS, CISC) | Messaging (Kafka, RabbitMQ, Tibco, MQ Series, MSMQ) | Cache: Redis, Elasticache, MongoDB, Spring Cache, In-Memory | Authentication: JWT, Basic Auth, Spring Security, MFA | Rules Engine: Drools, EasyRules | Multithreading with Java, .Net | Encryption with Java, Python, .Net

Cloud & DevOps: AWS (EC2, ECS, Lambda, S3, Kinesis, Elasticache, DocumentDB) | Azure | GCP | OpenShift | Kubernetes | Docker | Jenkins | CI/CD | GitHub Actions | Service Mesh (Istio) | Grafana | SonarQube | Tomcat | Versioned: GitHub, GitLab, Azure, TFS, Git Flow

Data Engineering & BI: ETL (batch, listener, NiFi, Airflow) | Lakehouse/Data Lake/Medallion | Elasticsearch | Logstash | Fabric | Dashboards/KPIs (Power BI, Looker Studio, Kibana, D3.js) | Real-time monitoring

Artificial Intelligence: LLM (OpenAI, Llama, Mistral, Cortex, Depseek) | LangChain4j | Spring AI | Vector DB (pgVector, Chroma) | Chatbots with React and microservices in Java/Python | Paradigms: LLM, RAG, AI agents

Databases: SQL (PostgreSQL, MySQL, MSSQL, Oracle, Amazon RDS, Microsoft Fabric, HSQL, Access) | NoSQL (MongoDB, DocumentDB, Elasticsearch, Microsoft Fabric, Redis) | Mainframes: z/OS, CISC

GIS: Practical experience in spatial analysis and geographic data management

API Definitions: Swagger, Markdown (GitHub/GitLab)

Modeling and BPM: Camunda, BPMN, Custom State Machines, Modeling of flows, components, BPMN processes and custom state machines, Workflows

Architecture Design: Draw.io, UML, DFD, Enterprise Architect, Visual Paradigm, Markdown

PROFESSIONAL EXPERIENCE

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

• Fiserv (Mphasis) - Senior Software Engineer

December 2025 - Present

Key Technologies: Java | React | zOS | CISC | OpenShift

- Rapid integration into the Fiserv team, recognized for proactivity and immediate results.
- Active contribution to the migration to a new cloud architecture, proposing technical improvements that were accepted and implemented.
- Experience integrating with mainframes, ensuring compatibility and continuity of critical financial processes.

- Voluntary analysis of legacy system flows to identify critical validations and mappings, facilitating the transition and reducing risks.
- Recognized by leaders and colleagues as a highly proactive and decisive profile.

- **Globant - Java Developer Architect (Área DATA / IA)**

February 2021 - June 2025

Key Technologies: Java | Python | ETLs | Power BI | NIFi | AWS

- Role as Java Developer Architect 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.
- Technological migration of Java 8 services to Java 11/17, improving performance and security.
- Cloud architecture with (EC2, ECS, Lambda).
- Data Engineering and Data Science solutions: NIFi, Data Modeling (DERs), Lakehouse/Data Lake/Medallion architecture, log and metric analysis with Jupyter, Pandas, Matplotlib, and Power BI.
- AI innovation: integration of models into Python microservices for semantic searches.
- Technical support, code review (PRs), incident resolution, and vulnerability analysis
- DevOps: CI/CD, Docker, Dockerfile, vulnerability analysis, and pipeline optimization
- International collaboration with teams in India, ensuring clear and effective communication

- **ANSES - Solutions Architect**

March 2019 - February 2021

Key Technologies: .NET | Java | ETLs | Power BI | Kibana | Azure | OpenShift

- Design and development of BFF microservices, reusable archetypes, and DLL libraries in Java and .NET (logs, MSMQ, Elasticsearch).
- Service integration (email, Remedy), technical support, and definition of architectural best practices.
- OpenShift adoption: Development of containerized microservices and documentation of technical guidelines.
- Implementation of CI/CD pipelines in Azure DevOps
- Data Engineering Solutions:
 - + Listener-type ETL to process millions of MSMQ messages, preventing MSSQL outages and ensuring 24/7 availability
 - + Batch ETL to audit critical logs and store them in Elasticsearch
 - + Development of real-time monitoring with Kibana + alerts

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

January 2004 - March 2019

Key Technologies: Java | JSP | Bootstrap | JavaScript | ETLs | zOS | CISC | Tomcat

- I participated in more than 10 multi-client projects (Telefónica, Banco Galicia, Telecom, ICBC, and ISBAN), standing out for my technical autonomy and adaptability.
- I developed applications from scratch for Telefónica Argentina, including multi-layered design and evolutionary maintenance.
- I participated in an international project (Spain), with technical transfer and training in Rosario.
- At Banco Galicia and Telecom, I made my own architectural decisions, achieving scalable and maintainable solutions.
- I integrated external systems using REST APIs, web services, and messaging.
- I developed batch ETL processes for handling large volumes of data.
- At ICBC and ISBAN, I deepened my expertise in frontend and REST microservices, improving software performance and quality.