Software Developer | Data Analyst | ML & LLM Engineer |
Physicist

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# BERNARDO LLAMAS VERNA

## Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib, Keras, Tensorflow)
- Looker
- GCP

- PySpark
- Microsoft Power BI
- NLP
- LangChain | LangSmith

## Experience [click here for more details]

**SOFTWARE DEVELOPER | DATA ANALYST | ML & LLM ENGINEER –** Sngular                          **October 2018**

Design and build robust ETL pipelines to process and transform data from multiple structured and unstructured sources, enabling the creation of comprehensive reports and seamless data integration.

Clean, preprocess, and analyze data to support the development of predictive models, driving actionable insights and data-driven strategies.

Leverage NLP tools to enhance user experience by enabling intelligent search and retrieval of information across diverse data sources.

Contribute to the design and optimization of Retrieval-Augmented Generation (RAG) systems using Large Language Models (LLMs), improving the relevance and accuracy of generated outputs.

**Technologies:** Python, SQL, NLP, LangChain, LangSmith, PySpark, Power BI, Looker, GCP.

**SOFTWARE DEVELOPER –** Quadram                          **March 2018**

Design and develop the data model powering the application, ensuring scalability, consistency, and optimal performance.

Architect and implement efficient API endpoints to retrieve and deliver data seamlessly, enhancing overall system responsiveness.

Create and execute functional tests for developed endpoints, ensuring reliability and alignment with business requirements.

Design and develop the functional frontend of the application, translating user needs into intuitive and responsive interfaces.

**Technologies:** PHP, Laravel, MySQL, Eloquent, Javascript, VueJS.

**SOFTWARE DEVELOPER –** iAhorro                          **June 2017**

Design and develop backend functionality to support core business logic and application workflows, ensuring maintainability and performance.

Develop and maintain RESTful API endpoints to enable efficient communication between frontend and backend components.

Implement updates and enhancements to the web frontend, improving user experience and aligning with design requirements.

Write and maintain unit and functional tests to ensure code reliability and minimize regressions.

Participate in deployment processes, including version control and environment configuration, to ensure smooth delivery of new features.

Contribute to CI/CD pipelines, automating testing and deployment workflows to enhance development efficiency.

**Technologies:** PHP, Laravel, MySQL, JavaScript, Angular 4

**COBOL-CICS-DB2 –** Mnemo Consulting                                    **November 2015**

Lead the execution of the project during its construction and testing phases to successfully integrate the guarantees application into the Liberbank platform.

Coordinate system components and workflows to ensure seamless integration and compliance with business and technical requirements.

Conduct thorough testing and validation to guarantee functionality, stability, and performance of the integrated solution.

**Technologies:** COBOL, CICS, DB2

**COBOL-CICS-DB2 –** Coritel-Accenture                                    **September 2014**

Improved mainframe processes to optimize system performance and reduce machine resource consumption.

Performed integration testing to support the onboarding of Caixa Catalunya into BBVA's core banking system.

**Technologies:** COBOL, CICS, DB2

# Education

**MASTER IN DATA SCIENCE** – Universidad Camilo José Cela – Madrid (Spain)                Sept 2022
**EXPERT IN DEVOPS AND CLOUD** – Universidad Internacional de La Rioja – Logroño (Spain)                May 2022
**MASTER IN GEOPHYSICS AND METEOROLOGY** – Universidad de Granada – Granada (Spain)                Sept 2016
**BACHELOR´S DEGREE IN PHYSICAL SCIENCES** – Universidad Complutense – Madrid (Spain)                Sept 2013

# Languages

**SPANISH** – Native
**ENGLISH** – C2 (Advanced)
**PORTUGUESE** – C2 (Advanced)
**FRENCH** – A2 (Basic / Elementary)

# Certifications [view my Credly profile]

**CLOUD DIGITAL LEADER CERTIFICATION** – Google
**PROFESSIONAL MACHINE LEARNING ENGINEER CERTIFICATION** – Google

# Courses

**ANALYZE AND VISUALIZE LOOKER DATA** – Google
**INTEGRATE VERTEX AI SEARCH AND CONVERSATION INTO VOICE AND CHAT APPS** – Google
**TEXT PROMPT ENGINEERING TECHNIQUES** – Google

**KUBEFLOW BOOTCAMP** – Udemy

**LANCHCHAIN - DEVELOP LLM-POWERED APPLICATIONS WITH LANGCHAIN** – Udemy

**PYTHON FOR DATA SCIENCE AND MACHINE LEARNING BOOTCAMP** – Udemy

**MASTER SQL FOR DATA SCIENCE** – Udemy

**THE COMPLETE SQL BOOTCAMP 2021: GO FROM ZERO TO HERO** – Udemy