

# José Luis CÁCERES

Nationality: Spanish

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**Senior Software Engineer / Full-Stack Developer and Tech Lead** with strong experience designing, building, and scaling cloud-native applications in international environments. Proven track record delivering high-impact solutions using **Python, Django, Nuxt 3**, and modern DevOps practices on **Azure, GCP, AWS**, with a strong focus on code quality, system architecture, and business value. Experienced team leader in agile environments, combining technical excellence with clear communication, ownership, and a results-driven mindset.

PROFESSIONAL EXPERIENCE		
<b>BASF Digital Solutions</b> – IT Solutions Senior Software Engineer / Tech Lead	Madrid, ES	January 2025-current
<ul style="list-style-type: none"><li>• Technical lead on two simultaneous projects, driving architectural decisions and ensuring high standards in code quality, scalability and security.</li><li>• Lead the design, development and delivery of full-stack cloud applications in an international environment, collaborating with teams distributed across the World (Malaysia, Germany and US).</li><li>• Development and maintenance of backend services using <b>Python</b> and <b>Django</b>, and modern frontend applications with <b>Nuxt 3 / Vue</b>, providing end-to-end solutions.</li><li>• Design and implementation of cloud-native architectures in Azure, including CI/CD pipelines using <b>GitLab</b> and deployment automation with <b>Argo CD</b>.</li><li>• Direction and guidance of a cross-functional development team, coordinating tasks, code reviews, technical alignment and knowledge sharing using <b>Agile/Scrum methodologies</b>.</li><li>• Development of AI-based functionalities using <b>LLM models</b> (OpenAI). Implementation of <b>RAG</b> systems using <b>LangChain</b> and vector databases (FAISS).</li><li>• Acted as a <b>key technical point of contact</b> for stakeholders, ensuring alignment between business objectives and technical execution.</li></ul>		
<b>BBVA Technology</b>   <i>Finance IT / Banking Technology</i> Senior Software Engineer / Tech Lead	Madrid, ES	August 2022 – January 2025
<ul style="list-style-type: none"><li>• Lead the <b>design and development of internal cloud-based applications</b> for the banking ecosystem, delivering secure, scalable, and high-availability solutions.</li><li>• Developing of backend services using <b>Python (Flask)</b> and modern frontend applications with <b>Vue</b>, following clean architecture and best engineering practices.</li><li>• Designed and implemented <b>data ingestion, processing, and analytics engines</b> using <b>PySpark</b>, supporting large-scale data workflows.</li><li>• Act as <b>technical lead</b>, coordinating development activities, reviewing code, and guiding the team on architectural and implementation decisions.</li><li>• Collaborated closely with <b>product owners, data teams, and business stakeholders</b> to translate complex business requirements into reliable technical solutions.</li><li>• Supported and promoted <b>Agile methodologies</b>, contributing to sprint planning, backlog refinement, and continuous delivery.</li></ul>		
<b>Tragsatec</b>   <i>Engineering &amp; Public Sector Technology</i> Data Engineer and Analytics - Consultant	Madrid, ES	January 2021 – August 2022
<ul style="list-style-type: none"><li>• Built and maintained scalable data pipelines using Python, SQL, and PySpark, enabling efficient ingestion, transformation, and analysis of large agronomic datasets.</li><li>• Developed machine learning models for crop prediction, leveraging historical, climatic, and geospatial data to generate actionable insights.</li><li>• Designed and implemented interactive dashboards and reporting tools using BI platforms, supporting data-driven decision-making for stakeholders.</li><li>• Applied statistical analysis and exploratory data techniques to identify trends, anomalies, and optimization opportunities in crop production.</li></ul>		

<i>INCLAM   Engineering &amp; Environmental Sciences</i> <i>Software Developer and Analytics</i>	Madrid, ES	September 2019 – September 2020
<ul style="list-style-type: none"> <li>• Developed detailed 3D hydraulic and environmental models of real river basins using tools such as HEC-RAS, ArcGIS, and QGIS to simulate water flow behavior and predict future discharge scenarios.</li> <li>• Analyzed hydrological and environmental data using <b>Python</b> (NumPy, Pandas) and <b>SQL</b> to assess flood risks, water availability, and ecological impact under different conditions.</li> <li>• Built and maintained computational models for flow simulation, integrating terrain, climate, and hydraulic parameters through GIS and hydraulic modeling software.</li> <li>• Generated technical reports and advanced visualizations using tools like Matplotlib, Power BI, and GIS software to communicate model results and environmental impact assessments to stakeholders.</li> </ul>		
<ul style="list-style-type: none"> <li>• Programming Tutor (Software Development)</li> </ul> London, EN		July 2014– May 2015

## EDUCATION

<b>Universidad Complutense de Madrid</b> Master in Environmental Sciences, 9/10 (Top 5%)	Madrid, ES	September 2018 – May 2019
<b>Universidad Complutense de Madrid</b> Degree in Geological Engineering	Madrid, ES	September 2013 – June 2018

## SKILLS & TECHNOLOGY

- **Programming & Data:**
  - Python (FastAPI, Django), SQL, Docker, Cloud Portals, VUE, React, Nuxt, MongoDB
  - LLM, LangChain, RAG
  - Data modeling, ETL pipelines, and data processing

## SKILLS & EXTRACURRICULAR ACTIVITIES

- Languages: C1 English, native Spanish
- Skills: Excellent communication, Teamwork, Excellent organizational skills, multi-tasking
- Interests: Business, Technology, Sports, Psychology, Well-Being