

JOEL ALMEIDA

Technical Lead, Software Engineer & Data Specialist

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EXPERIENCE

- Technical Lead
BNP Paribas • Lisbon, Portugal

Jul 2025 - Present

 - Technical Lead for the Data Governance Tool 2.0 (DGT 2.0) at the RISK Data Platform
 - Development of DGT 2.0 from scratch with a team of 3 developers, using Python/FastAPI, Angular/TypeScript, Neo4j, Kubernetes and Jenkins/TeamCity
- Senior Software Engineer
BNP Paribas • Lisbon, Portugal

Feb 2023 - Present

 - Work at BNP Paribas Risk Systems with teams across the globe
 - Multiple innovation projects, including AI-driven dashboards and graph databases with TigerGraph (GSQL)
- Software Engineer
BNP Paribas • Lisbon, Portugal

May 2021 - Feb 2023

 - Responsible for the redesign and development from the ground up of the reserves framework used by Risk Global Markets, mainly using Python and SQL
 - Provide users with internal tools that allow them to develop their own products
- Big Data Engineer (Data Engineering Analyst)
Accenture • Lisbon, Portugal

Sep 2019 - May 2021

 - Big Data Engineer at one of Portugal's leading telecommunications companies, working in Agile teams (Scrum, Jira, Confluence)
 - Designed and built ingestion pipelines for the Hadoop ecosystem and company-wide data loading tools using Spark (Scala), and contributed to the internal data ingestion framework
 - Worked with the CRM data science team on data preparation and validation for machine learning models, along with training and prediction frameworks
 - Led an internal project for the CRM team on new data methodologies for client management, which became a critical company-wide process
 - Mentored at the Accenture Datathon and tutored newcomers at the Accenture Applied Intelligence Academy
- Data Engineer
Link Redglue • Lisbon, Portugal

Apr 2019 - Sep 2019

 - Cloud data storage, processing and analytics solutions for moey!, a Portuguese fintech, using Azure, Databricks and Apache Spark
 - Internal projects using Python and Django, and machine learning using Python
- Summer Internship
EDP • Lisbon, Portugal

Jul 2018 - Sep 2018

 - Predictive machine learning models in Python to forecast grid energy consumption, and distributed calibration of the prediction models (Python, Scala, Spark)
- Summer Internship
EDP • Lisbon, Portugal

Jul 2017 - Sep 2017

 - Data analysis on the Hadoop ecosystem (HBase, Hive, Zeppelin, Spark)
 - Grammar and parsing tool (Java, ANTLR4) connecting an Oracle database to a predictive model for grid energy consumption

EDUCATION

- MSc in Computer Science and Engineering
Instituto Superior Técnico • Lisbon, Portugal

Sep 2014 - Nov 2019

 - Specialization in data processing and analysis