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JORDI ONRUBIA PALACIOS

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PROFESSIONAL EXPERIENCE

Associated Professor   **University of Lleida**   **September 2021 - Current**

- **Informatics Degree:**
    - Concurrent and Parallel Systems, introduction to multithreading applications. (2021 Only)
- **Electronics Degree:**
    - Programming and Communications III, introduction to networks, API's, Relational DDBB and Docker.
- **Informatics Master's Degree:**
    - High Performance Computing, Distributed Computing with OMP, MPI and CUDA.
- **Summer Course:**
    - Python From Zero to Hero, introduction to advanced python concepts (2021, 2022)

Data Engineer   **Bluetab**   **November 2023 - Current**

- **Spark Mentoring:** Mentoring juniors to enter the world of data processing with Spark.
- **Responsibilities & Technologies:** Development of GenAI applications for multiple purposes using the Azure Ecosystem.

Developer and Researcher   **Eurecat**   **July 2021 - November 2023**

- **Responsibilities & Technologies:** Development of processing batch and data pipelines for small, medium and big data, data standardization and normalization enhancing interoperability and fostering the extraction of meaningful insights from complex datasets. Cultivating open data spaces, promoting transparency, and contributing to the advancement of the open data movement within the context of data initiatives.

    - Apache Spark, Apache Kafka, FastAPI
    - HDFS, HBase, MongoDB, PostgreSQL
    - Hadoop, Yarn, Zookeeper, Nginx, Docker

- **Management:** Lead and Co-lead National and European Projects in the agricultural, environmental and traffic field, promoting good practices, and flexible working methodologies. Assisted newcomers and knowledge sharing and promoted ongoing learning.

Big Data Software Engineer   **Indra - Minsait**   **February 2019 - July 2021**

- **Responsibilities & Technologies:** Development of Big Data applications using Big Data Apache stack, developing ETL processes in the field of Energy:

    - Apache Spark and Apache Kafka for batch and streaming processing.
    - HDFS and Hbase for data storage
    - Hadoop, Yarn and Zookeeper as a framework, resource manager and coordination service respectively

Web Development   **Semic**   **July 2018 - January 2019**

- **Responsibilities & Technologies:** Full Stack Developer in charge of build and maintain different applications for E-commerce and the Public Administration

    - Angular 2+
    - Spring

- PHP, Typescript, Java, HTML

Intern   **Indra**   **January 2013 – June 2013**
- Ubuntu Server installation and maintenance.
- PHP web development.

Lleida   **University of Lleida**   **2019 - 2021**
- Informatics Engineering Masters Degree, major in Big Data.

Lleida   **University of Lleida**   **2014 – 2018**
- Informatics Engineering Degree, major in computation.

Lleida   **IES Caparrella**   **2012 – 2014**
- Higher Technical Certificate in Informatics, major in multi platform application development.

PERSONAL EXPERIENCE

Projects and Others
- Lleidahack association Co-founder and General Secretary 2019-2021
- Hackathon HackEPS Organizer, University of Lleida, from 2017 to 2022.
- Hackathon for the Mobile World Congress MobileHack Organizer, 2021
- Hackathon BitsXLaMarató Organizer, University of Lleida - Polytechnic University of Barcelona 2021
- Top 8 finalist in HackUPC

Programming Languages and Technologies
- Languajes: Java, Python, Scala.
- DataBases: PostgreSQL, MySQL, SQLServer, MongoDB, HBase
- Frameworks & Libraries: Spring, Apache Spark, Apache Hadoop, Apache Kafka, FastAPI, Streamsets
- Tools: Docker, PostMan, Ngnix, YARN, Zookeeper

Languages
- English B2.
- Catalan Native.
- Spanish Native.