

Andrea Donadello

andreadonadello@outlook.com
[linkedin.com/in/andreadonadello](https://www.linkedin.com/in/andreadonadello)
github.com/adonadello



EDUCATION

Bachelor's Degree in Computer Engineering

International Telematic UniNettuno University

Jan. 2020 - Dec. 2023

Rome, Italy

Scientific High School Diploma

High School G. Berton

Sep. 2014 - Jun. 2019

Udine, Italy

EXPERIENCE

Software Backend Engineer

Mediacy

June 2022 - Present

Venice, Italy

- Maintenance, development, and deployment of web applications with Microservices Architecture and asynchronous routines
- Extensive experience in using the Java programming language for Backend development
- Implementation and integration of Backend services using SpringBoot. Configuration and optimization of SpringBoot applications to ensure efficiency and scalability
- Utilization of PostgreSQL and Oracle databases for data storage and retrieval. Design and implementation of database schemas and queries for optimal performance
- Deployment of applications using Docker containers for improved portability and scalability
- Configuration and optimization of Tomcat or WildFly as web servers for hosting Java-based web applications

PROJECTS

Backend Projects | *Java, SpringBoot, PostgreSQL, Oracle, Tomcat, Wildfly*

June 2022 – Present

- Proficient in utilizing SpringBoot framework for accelerated development of Java-based backend applications
- Developed RESTful APIs and Microservices using SpringBoot for efficient communication between components
- Implementation of backend logic and algorithms in Java to meet specific project requirements
- Implementation and integration of Backend services using SpringBoot. Configuration and optimization of SpringBoot applications to ensure efficiency and scalability
- Designed and implemented RESTful APIs to facilitate seamless communication between frontend and backend systems. Ensured adherence to RESTful principles for a standardized and intuitive API design
- Constantly monitored and optimized backend performance for optimal response times and resource utilization
- Collaborated effectively with cross-functional teams, including frontend developers, UX/UI designers, and project managers

Machine Learning Pipeline | *Scala, Akka, Kafka, Spark, Hadoop*

November 2023

- Developed a robust and supervised data processing pipeline in Scala to handle data flow and orchestration
- Implemented Apache Kafka for real-time, fault-tolerant data streaming within the pipeline. Configured Kafka topics and ensured seamless integration for data communication
- Integrated Apache Spark for large-scale data processing, leveraging its distributed computing capabilities. Designed and implemented Spark jobs to process and analyze data efficiently
- Utilized the Akka toolkit to implement the actor model for concurrent and distributed processing within the pipeline
- Implemented data transformation and enrichment stages within the pipeline to enhance the quality and relevance of processed data
- Applied Spark transformations and Akka actors to handle complex data manipulations

TECHNICAL SKILLS

Languages: Italian (Native language), English (Professional)

Programming Languages: Java (Primary language), C, SQL (PostgreSQL, Oracle)

Technologies: Docker, Git, Tomcat, Wildfly

Framework: SpringBoot