AGENDA

1. Reply Group
2. Technology Reply Presentation
3. Stage Proposals
To excel in helping our customers exploit relevant innovation brought about by economic changes and driven by internet technologies.
REPLY SERVICES

INDUSTRY CONSULTING

TECHNOLOGY PLATFORM

Automotive & Manufacturing | CPG & Retail | Banking | Energy | Telco & Media | Insurance | Healthcare

Security | IoT

The Technology Stacks

Cloud Computing | Data & ML

Video & Gaming | Social & Crowdsourcing

The Agencies
Digital Brand, User Experience, Digital Communication

Mobile | eCommerce
AN OVERVIEW OF TECHNOLOGY REPLY

- A founding company of the Reply ‘Living Network’
- Specialised in the design and implementation of solutions based on Oracle technology and Java
- Breadth and depth of knowledge across Oracle Infrastructure, Database & Middleware
- Focussed on continuous innovation, through participation in Beta Programmes and co-development initiatives conducted directly with the Oracle Corporation
- An Oracle OPN Specialized Platinum Partner, since 2010
- An Oracle Cloud Select Partner, since 2016
- Offices in Turin, Milan, Verona, Treviso, Padova and Rome
- More than 450 consultants focused on Oracle Technologies and Java
The main goal is to support our clients in all phases of their digital transformation.

**TECHNOLOGY REPLY – OFFERING**

**BIG DATA & MACHINE LEARNING**
Advanced Analytics & Data Mining Solutions

**MIDDLEWARE**
SOA & Integrations

**RETAIL FASHION & UTILITY**
Portals, eCommerce, Backoffice System, DataHub

**BUSINESS INTELLIGENCE**
Complex data analysis to support the customers in the strategies of their business

**OPERATIONS**
Monitoring & Management of Production Environments

**CLOUD ADOPTION**
Providing a Cloud infrastructure compliant to the needs by the digital transformation
Goal: design and build a Computer Vision system that can ingest and process a real-time photographic stream, locating and classifying specific objects in it.

The project is thought for the fashion industry and it’s aimed at the automation of quality checks, currently performed by human operators. The system will enable them to process more data with less errors.

Image processing and computer vision

Deep learning for image classification

Tools: OpenCV, TensorFlow, Oracle Cloud, Database NoSQL

Skills Required: Basic understanding of CV techniques, basic knowledge about (deep) neural networks
REAL-TIME DATA INGESTION SYSTEM USING SPARKSTREAMING

- **Goal**: In the context of a Big Data platform (Data Lake), the goal is to develop an ETL system that should ingest data from RDBMS.

- The setting is the banking world, in which the statistics about money movements are calculated each day or week. The system should be able to ingest data from multiple sources, allowing to process them in a real-time manner.

- The project will use change data capture techniques, a distributed platform, a SparkStreaming queue and a NoSql database in order to expose data to the frontend platform.

- **Tools**: Hadoop, Kafka, Hive, Hbase, SparkStreaming

- **Skills Required**: Knowledge of Python, Spark, Database, Big Data platforms
DEVELOPMENT OF MACHINE LEARNING MODELS TO AUGMENT BUSINESS PROCESSES

- **Goal**: Data scientists at Technology Reply use CRISP methodology for building predictive models in order to improve business processes for their clients.
- Given the fast changing landscape, the available projects will be presented during the stage evaluation phase.
- **Tools**: R, SparkML, Python, pySpark
- **Skills Required**: Knowledge of Python, Spark, Big data platform, Database, Statistical ML algorithms
**Task Automation Using Conversational Agents**

- **Goal**: develop a chatbot using the Oracle Cloud platform.
- The bot, using NLP techniques, will interact with final users in order to automate a simple business process (e.g. FAQ search and discovery)
- **Tools**: Oracle Mobile Cloud Service, Oracle Database, Spark
- **Skills Required**: Knowledge of Big Data platforms, Database, NLP techniques, Java
THANK YOU

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