DATA REPLY

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REPLY
DATA

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DATA

BIG DATA | ARTIFICIAL INTELLIGENCE | QUANTUM
WE SUPPORT C-LEVELS TO EXTRACT VALUE FROM DATA

In all industries and all business functions, from 2016.
With more than 120 projects already delivered in production.

![Reply Data logo]

DATA & CLOUD

Specialized in designing and building cloud based data platform and data pipelines

DATA SCIENCE & AI

Specialized in designing and implementing Advanced Analytics solutions, ML, GenAI

OUR EXPERTS:

DATA | Architects, Engineers, Scientists, and more

120+

Production projects, up and running (Data Reply IT)

CROSS INDUSTRY
experience

Automotive | Travel & Logistics | Finance | Insurance | Retail & CPG

Manufacturing | Utilities | Telco/Media/Publisher | Pharma | Others

DATA REPLY – VERTICAL OFFERING

SALES & MARKETING, ANALYTICS

HYPERAUTOMATION

BDE OPS & OBSERVABILITY

RISK, AUDIT & COMPLIANCE DATA PLATFORMS

CLOUD DATA FOR CFO & CRO

ENERGY & INDUSTRY ANALYTICS

QUANTUM, OPTIMIZATION & ACCELERATED COMPUTING

BDE FOR FSI & SECURITY

Confidential

REPLY
DATA

[REPLY DATA TECHNOLOGIES EXPERTISE]

GENERATIVE AI
- Amazon Bedrock
- Hugging Face
- Pinecone
- LangChain
- OpenAI
- DALL·E

DATA SCIENCE LIBRARIES
- pandas
- NVIDIA CUDA
- TensorFlow
- scikit learn
- NumPy
- Keras

DS TOOLS
- dataiku
- Jupyter
- ANACONDA
- Amazon SageMaker
- KNIME Open for Innovation

LANGUAGES E FRAMEWORK
- python
- Scala
- C#
- Java
- Spark
- dbt
- spring
- Flink
- Rust
- TS
- C++
- R
- ANGULAR
- RAY
- akka
- React

BIG DATA PLATFORM
- databricks
- CLOUDERA
- CONFLUENT

CLOUD PLATFORM
- aws
- Microsoft Azure
- Google Cloud Platform

ETL TOOLS
- Ab Initio
- talend ·open data solutions
- APACHE nifi

DATABASE NO SQL
- cassandra
- mongoDB
- redis
- Neo4j

INDEXING
- elastic
- Solr
- splunk>

RDBMS
- Amazon Redshift
- Google BigQuery
- snowflake

ACCELERATED COMPUTING
- D:WAVE The Quantum Computing Company
- Amazon Braket
- Vulkan
- IBM Q
- NVIDIA
- Azure Quantum

CONTAINERIZATION
- OPENSHIFT
- kubernetes
- docker

DATA VISUALIZATION
- tableau SOFTWARE
- Apache Superset
- Looker
- Qlik Q
- Power BI

INTERESTING PROJECTS
OUR EXPERTISE

RETAIL

Forecasting e promo optimization

aws   python

AUTOMOTIVE

Intelligent diagnostics for on-board systems
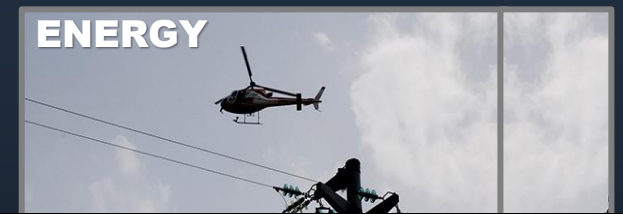
Microsoft Azure   databricks   python

FINANCIAL SERVICES

Intelligent Document Processing

aws   python

ENERGY

COMPUTER VISION and IMAGINE RECOGNITION

aws   python   PyTorch

ENERGY

Maintenance planning optimization

aws   Scala   MEGAQUBO

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DATA

GENAI EXPERTISE

Generative AI disrupted the whole approach to projects and governance: it's not just a tool, it's a different way of doing things.
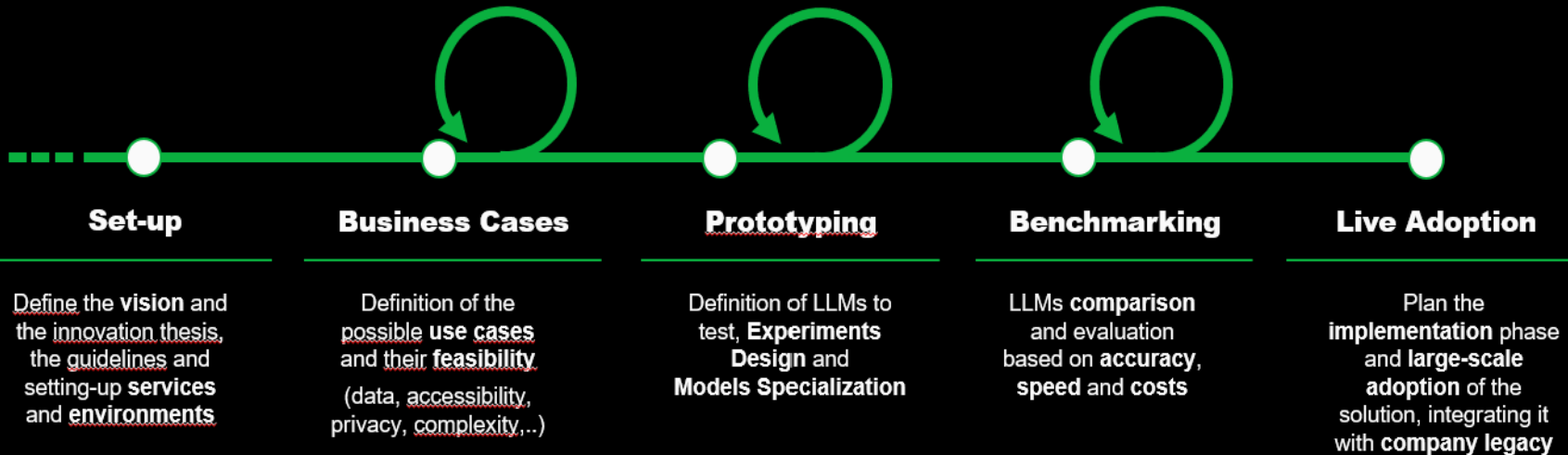
40+
Gen AI Projects

3
Community of practices on GenAI

30+
GenAI Experts

Set-up
Define the **vision** and the **innovation thesis**, the **guidelines** and setting-up **services** and **environments**

Business Cases
Definition of the possible **use cases** and their **feasibility**

(data, accessibility, privacy, complexity,..)

Prototyping
Definition of LLMs to test, **Experiments Design** and **Models Specialization**

Benchmarking
LLMs **comparison** and evaluation based on **accuracy**, **speed** and **costs**

Live Adoption
Plan the **implementation** phase and **large-scale adoption** of the solution, integrating it with **company legacy**

Main Topics Tags

- Prompt Engineering
- CoT
- Embeddings + ML
- Fine-tuning
- Agenting
- RAG
- FMOps
- Emotion Recognition
- Monitoring
- Intent Detection
- Human Feedback
- Voice Cloning
- Chat Memory
- Guardrail
- Synthethic Data Generation

GENAI
SOME PROJECTS DONE

DATASHEET INTELLIGENT EXTRACTOR

GENERATIVE AI FOR COMMERCIAL CONTRACTS

CLAIM & DOC CLASSIFICATION

ENTITY & RELATION EXTRACTION

SEVERE CLAIMS CLASSIFICATION

COMPLIANCE COVERAGE

TECHNICAL OFFER GENERATOR

EMPATHIC CONVERSATIONAL AI & DIGITAL HUMAN CONCIERGE

PAPER RESEARCH ASSISTANT

BOOST RECOVERIES

GENERATIVE SEARCH ASSISTANT (Rag)

GENAI FOR AMS EFFICIENCY OPTIMIZATION

DOC MERGER & DRAFTING

DETTAGLI EDUCATION & TRAINING
SUPPORT VAN FUNCTION

FORMAZIONE INTERNA

SESSIONI **38**

2023

Data Engineer

- Introduction to Scala
- Cloudera basic
- Cloudera Intermediate
- Kafka and Spark Streaming
- Software Developement Best Practices
- Architetture Big Data: componenti principali, loro architetture e casi d'uso
- NoSQL & indicizzazione
- Introduzione a Microservizi, Docker e Kubernetes
- DevOps
- **Data observability**
- **Architetture resilienti**
- **Building a well governed data mesh on GCP**
- Spark avanzato
- Introduzione a Big Data su GCP
- Kubernetes avanzato
- Componenti meno note BDE ma importanti
- Introduzione a Big Data su Azure

Data Science

- Applicazioni di ML: casi d'uso
- NLP
- Computer Vision
- Time Series
- Data Visualization with Tableau
- Coding in Python (advanced)
- Spark in Python for ETL
- **Survival models**
- **AI for use case green economy**
- Deep Learning models for time-series forecasting
- Introduzione al Machine Learning
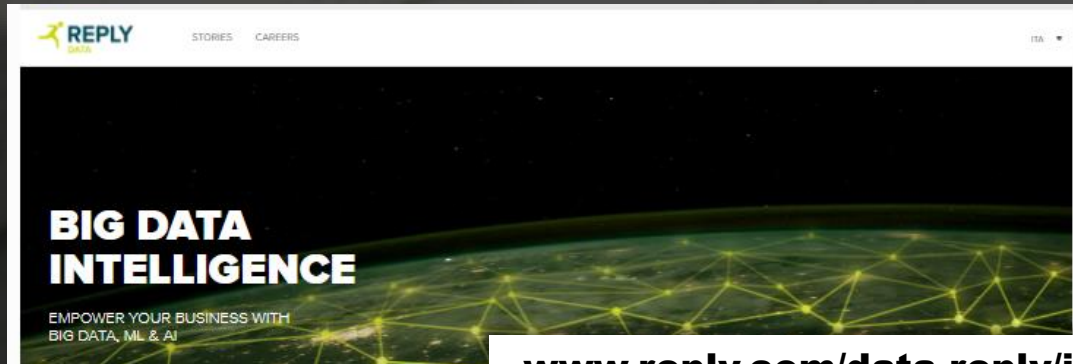- Introduzione alle reti neurali

... and MORE

- Tips for Slides
- Storytelling for presention
- Quantum & accelerated computing
- GDPR
- Linux system administration e monitoring
- Workshop Agile Lego City

AWS
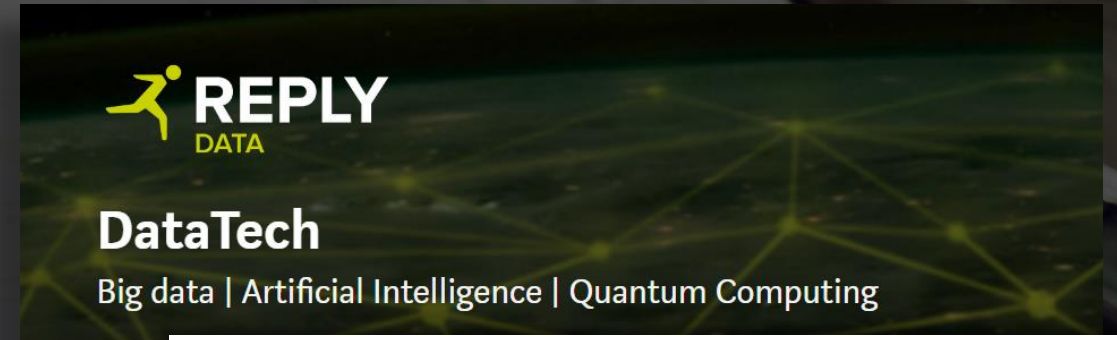
- AWS Big Data: basic
- AWS Big Data: advanced
- AWS Sagemaker

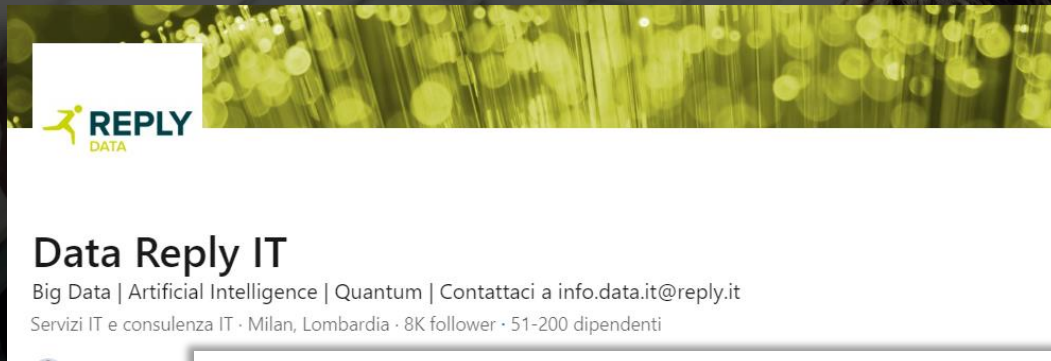**REPLY DATA**

KEEP IN TOUCH WITH DATA REPLY

www.reply.com/data-reply/it

https://medium.com/data-reply-it-datatech

Data Reply IT
Big Data | Artificial Intelligence | Quantum | Contattaci a info.data.it@reply.it
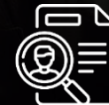Servizi IT e consulenza IT · Milan, Lombardia · 8K follower · 51-200 dipendenti

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THANK YOU

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