

Filippo Mameli

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Summary

Experienced **Machine Learning Engineer** with a master's degree in data science. Skilled in data engineering and machine learning techniques, capable of creating effective solutions. Collaborative team player driven by innovation and problem-solving. Committed to using data strategically to improve processes and provide valuable insights.

Experience

Data Reply | Fully Remote

Machine Learning Engineer | 05/2022 - Present

- Developed predictive algorithms for fleet management, utilizing **Databricks** and **AWS Glue**, leading to improved performance and reduced maintenance costs.
- **Managed a team** for API development, ensuring smooth collaboration and timely delivery.
- Administered a **state-of-the-art Databricks data hub platform** using Terraform, handling over 100 TB of data. Developed a feature store for other data scientist teams and utilities to streamline development processes.

Dbiz | Arezzo

Data Engineer | 06/2021 - 05/2022

- Proficient in creating **interactive dashboards** for company spending reports, mastering data extraction, manipulation, and scheduling.
- Proficient in designing and developing serverless Mobile/Web applications with AWS for efficient, scalable solutions.

NTT Data | Milan

Data Engineer | 06/2020 - 06/2021

- Proficient in developing and deploying **big data products** within a microservices architecture, handling 10 million messages per hour with Kafka using Scala/Java and Python.
- Experienced in orchestrating deployments with Openshift and Kubernetes for efficient containerization.
- Proficient in managing **DevOps pipelines** with Jenkins to optimize deployment processes.

Education

University of Florence | Florence, Tuscany

Master degree in Computer Science - Data Science | 04/2020

- Presented thesis titled "**A NoGAN approach for image and video restoration and compression artifact removal**" at the ACM International Conference on Multimedia. [Publication](#)
- Provided guidance and support as a university tutor within the Computer Science faculty at the University of Florence.
- Graduated with a final grade of 110/110.

Skills

- **Programming languages:** Python, Java/Scala, JavaScript, a bit of Go, Elixir, Rust
- **AI/Machine Learning:** PyTorch, FastAI, MLFlow, Keras, Scikit-learn, NumPy, Matplotlib, Huggingface
- **Big Data and Databases:** Databricks, Spark, DBT, Kafka, Hadoop, SQL, MongoDB/DynamoDB, Akka, Pandas
- **Web:** Next.js, React, React-Native, GraphQL/REST, Amplify
- **Tools:** Git, Bash, Zsh, Terraform, Docker, Kubernetes/Openshift, Visual Studio Code, Jupyter Notebook
- **Cloud:** AWS, Azure, GCP, Vercel

Miscellaneous

Certificates: Associate Cloud Engineer - Google Cloud; English First Certificate

Socials: [Linkedin](#); [Github](#); [Personal site](#)

Hobbies: Photography; Music; Cinema; Tech; Games