

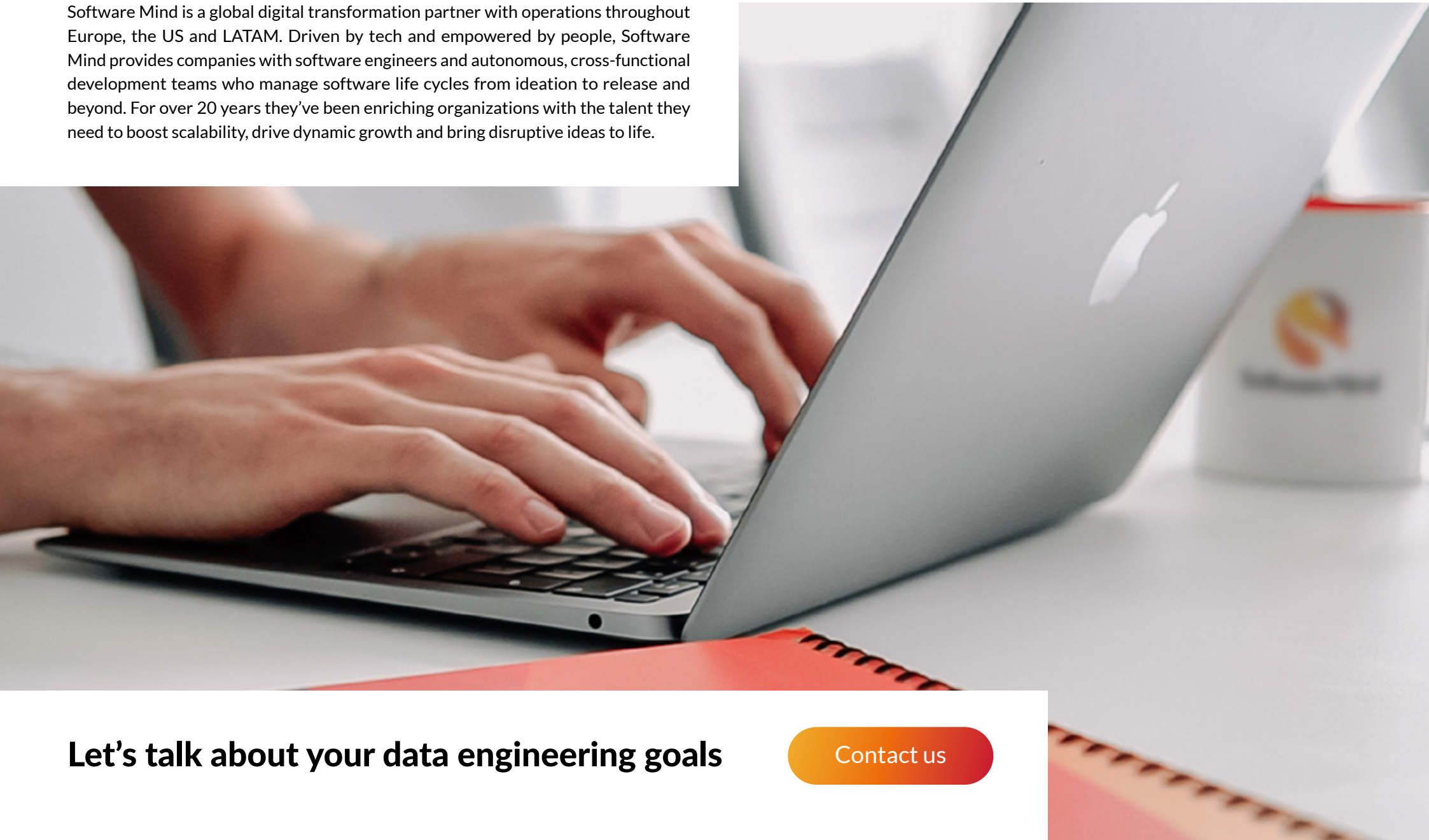
Data engineering projects we've delivered

Industry	Description	Data extraction	Data operations	Data storage	Data analysis	Data size
Advertising	Marketing campaigns & Attribution solution	Web scraping (custom Python scripts), internal data streams, internal databases (Aerospike, SQL database, Elasticsearch)	Data streaming: FoundationDB, Flink, Kafka, Airflow Batch processing: Airflow, FoundationDB, Spark	FoundationDB, Elasticsearch, HIVE, Parquet	Looker, Jupyter Notebook, custom Java services	Billions of records per day
Advertising	Managing ad campaigns	Custom Java code	Custom Java code	MySQL database	Custom Java code	1 million records per day
FinTech	Identification of the latest contact details for a large group of people	Microsoft SQL Server Integration Services	Microsoft SQL Server Integration Services, Custom SQL code	Microsoft SQL Server	Microsoft SQL Reporting Services	10 TB of data
FinTech	Migration of an on-premises SQL server-based warehouse to cloud data lake	SQL databases, internal applications, flat files	Databricks, Spark, Spark streaming	Azure Data Lake House, Azure SQL	PowerBI	20 GB of data per day
Food	Monitoring fish conditions for fish farms	Multiple custom APIs of IoT devices (REST, GraphQL, SOAP)	Databricks, Spark	Azure Data Lake House	PowerBI, Azure Machine Learning Services	10 GB of data per day

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IoT	Generic solution for gathering data from IoT devices	Custom IoT APIs, Azure IoT Hub	Databricks, Spark, Spark streaming	Azure Data Lake, Azure CosmosDB, Azure SQL	PowerBI, Azure Machine Learning	Hundreds of GB of data per day
Labor market	Analysis of labor market data	External systems	AWS Lambda	Snowflake, MySQL, S3	NA	Millions of records per day
Manufacturing	Analysis of forklift behavior	Custom IoT API	GCP dataflow	GCP Big Table, Timescale, Redis	Custom dashboard	300 million records per day
Manufacturing	Garbage recognition based on provided photos	Custom mobile app that takes photos	Amazon Lambda	Amazon S3, Amazon RDS, DynamoDB	AWS Sage Maker, Custom dashboards	A couple of GB per day
Mining	Accident prevention system in mines	IoT device API	Azure functions	AzureSQL	PowerBI, Custom Python scripts	A couple of GB per day
Real estate	Analysis of real estate data	Web scraping (custom scripts)	Snowflake, Spark, Databricks, Airflow	Snowflake, Postgres, Parquet	Custom BI solution	Billions of records per day
Social media	Analysis of social media posts	Custom databases	Kafka, Spark, Spark streaming	Elasticsearch, Cassandra, Postgres	Custom dashboards	2 billion records per week
Telco	Anomaly finder in various business flows	NA	NA	Oracle	NA	A couple of terabytes per day
Telco	Low-latency roaming event processor	Custom low-latency code to parse roaming data bit streams	Custom low-latency Java code, communication based on web sockets	Redis (KDB)	NA	30 million events per day (avg. processing time per event: 10 ms)
Telco	Managing mobile network hardware	Proprietary telecom hardware protocols	Hadoop, custom Java services	Redis, HIVE, Postgres	Custom dashboard	150,000 messages per second
Telco	Mobile network alerts monitoring	Apache NIFI	Kafka, Drools, Apache NiFi	Elasticsearch, Cassandra, Postgres	NA	1 million events per day

About Software Mind

Software Mind is a global digital transformation partner with operations throughout Europe, the US and LATAM. Driven by tech and empowered by people, Software Mind provides companies with software engineers and autonomous, cross-functional development teams who manage software life cycles from ideation to release and beyond. For over 20 years they've been enriching organizations with the talent they need to boost scalability, drive dynamic growth and bring disruptive ideas to life.



Let's talk about your data engineering goals

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