

SUMMARY

Results-driven Senior Data Engineer with 6+ years of experience in architecting scalable ML and data infrastructure. Expertise in MLOps, real-time data processing, and cost-optimized AI solutions. Proven leadership in designing high-impact data systems, reducing costs, and enhancing operational efficiency in the food delivery industry.

SKILLS AND TECH

- **Big Data & ML Systems:** Vertex AI, MLflow, Apache Kafka, SageMaker, Airflow, Dataflow.
- **Cloud & Infrastructure:** AWS, GCP, Terraform, Kubernetes, Docker.
- **Data Engineering:** BigQuery, Apache Hudi, MySQL, Kimball Dimensional Modeling.
- **MLOps & Automation:** CI/CD (GitHub Actions, Jenkins), Feature Engineering, Monitoring (Grafana).
- **Leadership & Mentoring:** Training teams on ML platforms, leading engineering initiatives.

EXPERIENCE

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| Just Eat Takeaway | Senior Data Engineer | Oct 2022 — Present |
| <ul style="list-style-type: none">◦ Led redesign of ML inference pipelines, reducing cost by 91% and improving delivery frequency from weekly to daily.◦ Architected a 4B-product ingestion system with 100M daily updates, cutting inference costs by 300-400x.◦ Migrated ML pipelines to Vertex AI & Dataflow, reducing operational costs while improving scalability.◦ Established comprehensive monitoring for Airflow clusters, improving pipeline success rate and anomaly detection.◦ Mentored 10+ engineers on Vertex AI and BigQuery best practices. | | |
| Just Eat Takeaway | Data Engineer | Jul 2020 — Oct 2022 |
| <ul style="list-style-type: none">◦ Standardized AWS Terraform infrastructure, reducing provisioning time by 75%.◦ Transitioned ML workloads to SageMaker serverless, cutting deployment time by 70%.◦ Led migration from MySQL to Apache Hudi, improving upserts and incremental processing for large-scale data.◦ Automated CI/CD workflows for ML models, reducing deployment cycles from days to hours. | | |
| Just Eat Takeaway | Data Scientist | Apr 2019 — Jul 2020 |
| <ul style="list-style-type: none">◦ Developed ML-driven alcohol detection system (94% accuracy), ensuring compliance across multiple regions.◦ Designed structured food taxonomy, enhancing search accuracy and promotions. | | |
| Delivery Hero | Data Scientist | Nov 2018 — Apr 2019 |
| <ul style="list-style-type: none">◦ Built AI-driven food classification models, optimizing search and recommendation performance. | | |

EDUCATION

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| EURECOM & Telecom ParisTech | Jan 2016 — Jan 2018 |
| MSc - Data Science, GPA: 4.0/4.0 | |
| University of Science | Jan 2012 — Jan 2016 |
| BSc - Computer Science, GPA: 3.8/4.0 | |

INTERESTS

- **Emerging AI & Cost Optimization Initiatives:** LLM production deployment strategies, Retrieval-Augmented Generation (RAG), Agent-based architectures, LiteLLM, Instructor, Lunary