

## SUMMARY

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

## SKILLS AND TECH

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- **AI & Machine Learning:** LLM, RAG Architecture, Feature Engineering.
- **MLOps & Platform Engineering:** Vertex AI, SageMaker, MLflow, CI/CD Pipelines (GitHub Actions, Jenkins), Model Monitoring & Observability.
- **Data Engineering:** Airflow, Dataflow, BigQuery, Apache Hudi, Data Lakehouse Architecture.
- **Cloud & DevOps:** AWS, GCP, Kubernetes, Docker, Terraform.
- **Business Impact & Optimization:** Cost Optimization, Performance Tuning, Data Strategy, Scalable AI Solutions.

## EXPERIENCE

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<b>Just Eat Takeaway</b>	<b>Senior Data Engineer</b>	<b>Oct 2022 — Present</b>
<ul style="list-style-type: none"><li>◦ Architected data ingestion system for 4B products with 100M daily updates, implementing hash-key approach that reduced ML inference costs by 400x and extended full-load cycles from monthly to quarterly</li><li>◦ Engineered incremental ML inference pipeline with country-specific flexibility, reducing costs by 91% and accelerating data delivery from weekly to daily</li><li>◦ Developed Kimball dimensional model for ML deliverables, decreasing downstream costs by 68% while enabling 60% immediate inference reuse</li><li>◦ Led BigQuery optimization initiatives, achieving 30% cost reduction while improving query performance</li><li>◦ Migrated ML pipelines from SageMaker to VertexAI/Dataflow, consolidating platforms and reducing operational costs</li><li>◦ Built LLM experimentation platform with LiteLLM and MLflow, enabling rapid prototyping of classification and NER models</li><li>◦ Mentored 10+ engineers on VertexAI and BigQuery analytics through Google incubator program</li></ul>		
<b>Just Eat Takeaway</b>	<b>Data Engineer</b>	<b>Jul 2020 — Oct 2022</b>
<ul style="list-style-type: none"><li>◦ Standardized AWS Terraform infrastructure, reducing provisioning time by 75%.</li><li>◦ Transitioned ML workloads to SageMaker serverless, cutting deployment time by 70%.</li><li>◦ Implemented end-to-end MLOps with Terraform, containerized testing, and automated CI/CD via GitHub Actions</li><li>◦ Led migration from MySQL to Apache Hudi, improving upserts and incremental processing for large-scale data.</li></ul>		
<b>Just Eat Takeaway</b>	<b>Data Scientist</b>	<b>Apr 2019 — Jul 2020</b>
<ul style="list-style-type: none"><li>◦ Developed ML-driven alcohol detection system (94% accuracy), ensuring compliance across multiple regions.</li><li>◦ Designed structured food taxonomy, enhancing search accuracy and promotions.</li></ul>		
<b>Delivery Hero</b>	<b>Data Scientist</b>	<b>Nov 2018 — Apr 2019</b>
<ul style="list-style-type: none"><li>◦ Built AI-driven food classification models, optimizing search and recommendation performance.</li></ul>		

## EDUCATION

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<b>EURECOM &amp; Telecom ParisTech</b>	<b>Jan 2016 — Jan 2018</b>
MSc - Data Science, GPA: 4.0/4.0	
<b>University of Science</b>	<b>Jan 2012 — Jan 2016</b>
BSc - Computer Science, GPA: 3.8/4.0	