Louis Guitton

Solutions Architect, ML Engineer & Engineering Lead

Berlin, DE

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> Engineering and technical leader who provides strategic guidance while motivating teams to excellence.
> Louis knows how to successfully innovate, build, launch, scale and maintain multi-tiered data products.

SKILLS

Architecture

System Design Data Pipelines Google Cloud Platform Microsoft Azure Amazon Web Services Serverless Microservices MLOps DataOps Docker/Kubernetes AirFlow

Data Development

PostgresSQL ElasticSearch Redis Redshift Snowflake Neo4j Snowplow Spark dbt

Full stack Development

python Natural Language Processing FastAPI scikit-learn SpaCy networkX PyTorch Transformers Hugging Face MLFlow argilla langchain llama-index TypeScript NextJS TailwindCSS

Delivery

Agile Technical Project Management Delivery Roadmaps Financial Budgets Stakeholder Management Delivery Reporting Objectives and Key Results

WORK EXPERIENCE

Freelance Solutions Architect at Self-employed   **Apr 2023 - Now**
📍 **Berlin, DE** https://guitton.co/
Data and AI consultation services for multiple short-term, high-velocity projects including:

- Built reference architecture for AI chatbot, using RAG and LLMs, unlocking my client's new product vision
- Delivered user-centred technical strategy for Agriculture 4.0 and precision livestock farming, helping my client secure funding from Bpifrance
- Delivered a prospecting tool for a leading French solar carport installer, using geospatial computing (details), speeding up the sales process
- Built digital twin architecture for solar carports and EV chargers, making real-time monitoring and smart charging possible

VP of Engineering at OneFootball Labs   **Jan 2022 - Mar 2023**
📍 **Berlin, DE** https://aera.onefootball.com/
NFT platform and marketplace for football video collectibles

- Managed 4 remote and hybrid teams for engineering, data, product and design of 20 staff
- Delivered robust and scalable e-commerce NFT marketplace, including smart contracts, minting and packing (video) enabling the business to execute on a new strategic opportunity in a highly technical space
- Found product-market fit for NFT marketplace, leading to $500k revenue and 115k MAUs
- Established the Web3 business unit of OneFootball and defined the structure of teams and processes, bringing solutions in a fast-paced environment
- Hired and coached talent, built a culture of excellence and transparency, and gave training on blockchain firefighting or technical SEO

Principal Machine Learning Engineer at OneFootball   **Oct 2018 - Jan 2022**
📍 **Berlin, DE** https://onefootball.com/
Football media platform serving 15 million MAUs with news, OTT streaming, DFS and NFTs in 12 languages.

- Delivered innovative **news tagging** solution using NLP, enabling the company to scale its news coverage to 12 languages, 5000 articles per day
- Built the company's first knowledge graph, unlocking new entity types like Players and Games, and enabling new high-engagement features like **news recommendations**
- Migrated the company's data stack to a modern data stack, including airflow, dbt, AWS LakeFormation, Snowplow, enabling the company to scale its data processing and analytics
- Mentored and coached 2 engineers and 4 analysts, enabling them to grow their skills and take on more responsibilities

Entrepreneur in Residence at Entrepreneur First   **Apr 2018 - Jun 2018**
📍 **Berlin, DE**   https://www.joinef.com/
Developed a scalable personality screening tool for talent acquisition managers using deep learning Computer Vision models and the resources of a worldwide deep-tech incubator for early-career founders.

Data Scientist at DOJO Madness   **Aug 2016 - Mar 2018**
📍 **Berlin, DE**   https://www.bayesholding.com/
Built and maintained a real-time deep-learning recommendations pipeline for 1 million daily users of a mobile app.

Data Science Intern at Ekimetrics   **Jan 2016 - Jun 2016**
📍 **Paris, FR**   https://ekimetrics.com/
Researched applications of NLP and web crawlers to the economy of online earned media for Automotive and Cosmetics brands.

R&D Engineer Intern at EDF Energy   **Feb 2015 - Sep 2015**
📍 **Brighton, UK**   https://www.edfenergy.com/about/research-development
Researched applications of software development and data science to the digital innovation of an energy leader.

R&D Engineer Intern at Bosch Southeast Asia   **Jun 2014 - Dec 2014**
📍 **Singapore, SG**   https://www.bosch.com.sg/our-company/bosch-in-singapore/bishan/
Researched applications of Data Science to storage optimisation of photovoltaics energy within the Power Electronics R&D team.

CERTIFICATES

Enterprise Design Thinking Co-Creator from IBM show credential   **Mar 2024**
Natural Language Processing Specialization from DeepLearning.AI (Coursera) show credential   **Oct 2020**
Supervised Machine Learning from DeepLearning.AI (Coursera) show credential   **Mar 2016**

EDUCATION

MSc Executive Engineering at MINES ParisTech PSL   **2012 - 2016**
📍 **Paris, FR**

Machine Learning   Big data   Econometrics   Mechatronics   Energy

PROJECTS

Speaking engagements

Public speaking, verbal communication and knowledge sharing

- 'Graphs and Language' lightning talk at MLOps.community AI in Production conference, Feb 2024
- 'When Natural Language Processing meets Football' at Unstructured Data meetup, Mar 2022
- 'Graph Data Science' at The Knowledge Graph Conference, May 2021

Blogging

Written communication, and knowledge sharing with ~1k MAUs.

- Ranking on the first page of Google for _fastapi monitoring_ and _amundsen dbt_ since 2020
- NLP, LLMs and Graph RAG with **Graphs and Language**

Mentoring

Code review, blog post review, and career advice for junior engineers and data professionals

- Coached Analytics Engineer to successful completion of **Data for Good project** in May 2022