



Marco Kinkel

Senior Software Engineer with 10+ years of experience building scalable systems and 2+ years in ML. Currently getting into GenAI productionalization. Proven track record in startup and enterprise environments, from architecture design to product delivery. Passionate about leadership, management, and real business impact through AI.

location

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WORK EXPERIENCE

ClimatePartner, since October 2022 (2y, 11m)

Machine Learning Engineer

- Established a Machine Learning & Data Science team and defined long-term vision for AI & ML in the company.
- Built up company-wide ML architecture, including automatic training pipeline and model deployment.
- Released successful ML systems to validate carbon footprints and score sales leads.
- Designed integration of LLMs into customer-facing products for data extraction, enrichment, and validation.
- Built central data mart to stream product data in real-time with event-driven architecture.
- Shared knowledge in AI Guild, newsletter and series of talks.

Technical owner of API product line

- Held technical responsibility for development and maintenance of customer-facing API products.
- Led small team of developers and coordinated strategic decisions with C-level management.
- Ensured high service levels and maintained cost efficiency to serve 500.000+ requests/month with high profitability.

Senior Software Engineer

- Co-implemented core product for carbon accounting and successfully released to market as part of development team.
- Represented the team in Architecture Guild, and released company-wide guidelines for API design.

MHP- A Porsche Company | 2020- 2022 (1y, 5m)

Machine Learning Engineer and Consultant for Intelligent Software

- Built and deployed full stack machine learning application for real-time analysis of manufacturing process using time series classification, saving millions of € for manual quality assurance.
- Gave talks with international audience and defined principles for resource-efficient development of machine learning systems.

Volt Europa | Volunteer position | 2021 – 2022 (1y)

Facilitator for European membership reporting

- Built pipeline for automatic generation of membership data reports which are still used by European board.

Breuninger | 2012- 2016 (3y working student + 1y full time)

Software Engineer and IT Consultant

- Managed SAP CRM and HR applications.
- Led technical implementation of new customer loyalty program.
- Co-created transformative IT system architecture.

EDUCATION

University of Edinburgh | 2019 – 2020

M.Sc. Artificial Intelligence

- Graduation with distinction.
- Courses: Applied Machine Learning, Probabilistic Modelling & Reasoning, Computational Cognitive Science, Robotics

Tübingen University | 2016 – 2019

B. Sc. Cognitive Science

- Grade 1,2, top 7% of graduates.
- Tutor for multiple computer science lectures.
- Founder of student association.
- Courses: Computer Science, Mathematics, Statistics, Machine Learning, Psychology, Cognitive Science, Linguistics, Neuroscience

DHBW Karlsruhe | 2012 – 2015

B. Sc. Business Informatics

- Specialization in Software Engineering
- Courses: Software Engineering, Databases, Operating Systems, Business Management, Project Management, IT Management, Business Law and IT Law, Economics

HARD SKILLS

Programming Full stack	Python, JavaScript, TypeScript, Java
ML / GenAI	Nest.js, Node.js, React.js, MongoDB
ML Methods	TensorFlow, PyTorch, Scikit-learn, LLM, RAG, AWS Sagemaker, MLOps
Infrastructure Projects	Standard regression & classification, Time Series Classification, LSTM, Outlier Detection, Active Inference
Data	AWS, Terraform, Terragrunt, CDKTF
	Agile (Kanban, Scrum)
	SQL, Kafka, Flink, PowerBI

CERTIFICATIONS

- Artificial Intelligence for Earth Monitoring, EUMETSAT, 07/2022
- Artificial Intelligence for Medicine, DeepLearning.AI, 07/2022
- Certified Machine Learning Specialty, AWS, 12/2021
- Certified Cloud Practitioner, AWS, 12/2020