

Matthias Bachfischer

CURRICULUM VITAE

Munich, Germany

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Summary

As a Principal Solution Architect for Data & AI at E.ON, I deliver highly scalable machine learning architectures that power the energy transition in Europe. I am committed to engineering excellence: Building high-performing teams, fostering a culture of innovation, and continuously advancing our Data & AI capabilities.

Work Experience

E.ON Digital Technology

Munich, Germany

PRINCIPAL SOLUTION ARCHITECT - DATA & AI

Aug. 2025 - Present

- Led foundational AI/ML infrastructure development and oversaw the design and implementation of end-to-end AI solutions
- Drove alignment of Data & AI engineering practices across regions, ensuring consistency in architecture, tooling, and engineering practices

E.ON Digital Technology

Munich, Germany

SENIOR AI SOLUTION ARCHITECT

Sep. 2024 - Aug. 2025

- Ensured standardization of AI and MLOps practices and refined the reference architecture for E.ON's Data & AI landscape
- Spearheaded collaboration with key stakeholders from regional units to architect and optimize AI solutions

BCG Platinion

Munich, Germany

SENIOR IT ARCHITECT

Oct. 2023 - Jun. 2024

- Led a global team of engineers to deliver three GenAI products for an automotive OEM procurement department and reduced process cycle time by >50% (AWS, LangChain)
- Designed ML solutions and data pipelines for optimizing the energy usage of IoT-connected heating systems (AWS, Python)

IBM

Munich, Germany

SENIOR DATA SCIENTIST

Sep. 2022 - Oct. 2023

- Built scalable ML services using Transformer models for CV and NLP use cases (PyTorch, FastAPI)
- Architected a semantic search engine for multilingual PII corpora at a federal agency

BCG Platinion

Munich, Germany

SENIOR IT ARCHITECT

Feb. 2022 - Aug. 2022

- Directed development of an cloud data platform for energy grid ML services at a Dutch TSO (Azure)
- Led sell-side due diligence for the data & IT architecture of a leading European payments provider

BCG Platinion

Munich, Germany

IT ARCHITECT (& VISITING ASSOCIATE)

Jul. 2018 - Mar. 2020

- Designed and led implementation of a real-time connected-car data platform ingesting high-throughput telematics streams (AWS)
- Built a DevOps platform enabling large-scale engineering teams to deploy containerized workloads (AWS, Kubernetes)
- Defined IT & data architecture for manufacturing analytics across wide network of Eastern European production sites

King Abdullah University of Science and Technology (KAUST)

Thuwal, Saudi-Arabia

VISITING STUDENT

Apr. 2018 - Jul. 2018

- Investigated the application of machine learning techniques to classify toxic comments in online social networks (Python, Tensorflow)

KRONES

Neutraubling, Germany

INTEGRATED DEGREE PROGRAM - INFORMATION SYSTEMS

Jul. 2013 - Feb. 2018

- Led a company-wide initiative on predictive maintenance using machinery sensor data (Azure, Hadoop, Python)

Education

The University of Melbourne

Melbourne, Australia

M.SC. IN DATA SCIENCE - GPA: 3.9/4.0

Mar. 2020 - Dec. 2021

- Developed a Pacman agent based on deep reinforcement learning (top 5% rank in university-wide competition) (Python, Tensorflow)
- Title of final thesis: Adversarial Workload Matters - Executing a Large-Scale Poisoning Attack against Learned Index Structures (C++)

Universidad de Buenos Aires

Buenos Aires, Argentina

LICENCIATURA EN ANÁLISIS DE SISTEMAS - OVERALL GRADE: 10/10

Mar. 2016 - Jul. 2016

- Completed a semester abroad as an exchange student in the Faculty of Engineering (Facultad de Ingeniería)

Ostbayerische Technische Hochschule Regensburg

B.Sc. IN BUSINESS INFORMATION TECHNOLOGY - GPA: 4.0/4.0

Regensburg, Germany

Oct. 2014 - Feb. 2018

- Evaluated the feasibility of using machine learning to perform intrusion detection in onboard vehicle networks (Python)
- Title of final thesis: Success Factors in Business-Managed IT

Publications

Success Factors in Business-Managed IT

Berlin, Germany

SKILL - STUDIERENDENKONFERENZ INFORMATIK

Sep. 2018

- Presented a research paper from a case study analysis of critical success factors in Business-Managed IT / Shadow-IT

Offensive Comment Classification on German Language Microposts

Vienna, Austria

GERMEVAL 2018 - SHARED TASK ON THE IDENTIFICATION OF OFFENSIVE LANGUAGE

Sep. 2018

- Presented the participation of the KAUST MINE Lab for machine intelligence at the GermEval 2018 shared task

Honors & Awards

2016 **Scholarship**, German Academic Scholarship Foundation (1% acceptance rate)

Bonn, Germany

2020 **Study Abroad Scholarship**, German Academic Exchange Service

Bonn, Germany

Languages

German, maternal language

native speaker

English, excellent command

Level C2 (CEFR)

Spanish, very good command

Level C1 (CEFR)

Portuguese, good command

Level B2 (CEFR)

Arabic, working knowledge

Level A2 (CEFR)