

Nils Heil

Solution Engineer with a background in Information Systems, strong data technical profile and 4+ years work experience.

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WORK EXPERIENCE

Applied AI Engineer, Celonis SE

Jul 2026 - today

- Turning business challenges into scalable AI & agentic solutions on the Celonis Process Intelligence Platform, owning the full lifecycle from pre-sales discovery and prototyping through proof-of-value delivery and adoption.

Engagement Lead | Implementation Strategist, Unit8

Jun 2024 - Jun 2026

- Engagement Lead for several projects and use case deployments in the Life & Health department of a major Swiss reinsurance company including the set up of Release Management processes, Data Quality frameworks & Access Management within Foundry as well as the successful deployment of a Portfolio Analytics application with 500+ users

Data Science Consultant, Celonis SE

Feb 2021 - Nov 2023

- Technical set-up, business validation and implementation of business execution applications for the Accounts Payable Process generating \$3m of value.
- Piloted implementations of new features of the duplicate checker application in collaboration with the product team
- Fully developed a production planning operational app that allows users to predict completion times of vehicles (won top product innovation award Celonis-wide)

SKILLS

Programming Languages: Proficient in Python, SQL, Typescript, PQL. Working knowledge of Java and R.

Technologies: React, Git, Pytorch, Pyspark, Node, Keras, Express, pandas, Azure Functions, AWS Lambda, Azure, Foundry

Languages: German (Native), English (C2), French (B1), Italian (A1)

EDUCATION

Master of Science, Computer Science (Thesis), ETH Zurich

SEPT 2023 – MAR 2024

Thesis about Implicit personalization of large language models. The [final paper](#) got accepted at EMNLP 2024 Findings.

Master of Science, Information Systems, TU Munich

OCT 2021 – MAR 2024

Study focus on machine learning & NLP, GPA: 1.8

Exchange Semester (M. Sc.), Information Systems, UC San Diego

MAR 2023 – JUL 2023

Study focus on NLP & Innovation Management, GPA: 1.0*

Bachelor of Science, Industrial Engineering, Karlsruhe Institute of Technology

OCT 2016 – JUN 2020

Study focus on information systems & digital services, GPA: 2.3

Thesis about quantitative comparison of explainable AI for neural networks

Abitur, Ricarda-Huch-Schule

AUG 2014 – JUN 2016

Majored in maths and physics, student speaker for all high school students, GPA: 1.5

PROJECTS

Hackathon, Bloomberg trading platform [GitHub Link](#)

Developed a trading platform for Bloomberg that implements a smart matching algorithm for transactions using a Minecraft In-Game interface and AWS Lambda

Analytics Cup | 3rd out of 119 teams [GitHub Link](#)

Build a classification model for predicting the success of sales offers for smart infrastructure

CERTIFICATIONS

Foundry

Certified Foundry Application Developer & Data Engineer

Azure

Certified MS Azure AI Design trainer

*Grades from universities outside of Germany have been transformed to the German scale using the official conversion logic provided by the respective schools. Please contact me in case of any questions.