THOMAS **NIEBLER**
Senior Data Scientist

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 GitHub - LinkedIn - Twitter

EDUCATION

PhD, Computer Science (Mar '19)
University of Würzburg

Diploma, Maths (Jan '12)
University of Würzburg

Abitur (Jun '06)
Markgraf-Georg-Friedrich-Gymnasium, Kulmbach

TECHNOLOGIES

Docker — 100%
Python — 100%
SW Eng — 90 %

SOFT SKILLS

Enthusiasm — 100%
Diligence — 95%
Communication — 90 %

LANGUAGES

German — 100%
English — 95 %

PROFILE

Thomas is a curious and enthusiastic Senior Data Scientist with a passion for clean software engineering and architecture design. In his work ethics, he is both team-oriented and customer-oriented. His technical experience and versatility help him to both grasp the "big picture" as well as having an eye for details. Finally, this and his eagerness to grow the people around him make him an excellent technical leader.

EXPERIENCE

Bosch Rexroth AG Apr' 19 – now

Senior Data Scientist Lohr am Main, Germany (Mar '22 – now)
- *Technical Lead Analytics* for Industrial Hydraulics Applications
- Defines technical direction of a Predictive Analytics System on AWS
- Coordinates and drives ML engineering efforts with platform team

Software Architect Lohr am Main, Germany (Feb '21 – Feb '22)
- Consolidated a highly diverse portfolio into a single software ecosystem
- Provided expert knowledge in software trainings for top management
- Mentored Data Science and Software Engineering Colleagues

Data Scientist Lohr am Main, Germany (Apr '19 – Jan '21)
- Detected anomalies in IoT sensor data of hydraulics applications using Python
- Designed an extensive platform infrastructure
- Established advanced software engineering workflows for that platform

AI Engineer solvatio AG, Rimpar, Germany (May '18 – Mar '19)
- Developed a distributed AutoML pipeline for troubleshooting log data
- Deployed a distributed machine learning system for productive use

Research Scientist University of Würzburg, Germany (Jan '12 – Apr '19)
- PhD thesis: *"Extracting and Learning Semantics from Social Media Data"* (Overall Grade: magna cum laude, 1.0)
- Research on machine learning and natural language understanding

COMPETENCIES

Technical
- Strong experience in architecting and implementing ML platforms
- Practical knowledge of big data analysis and management
- Many years of extensive programming experience

Social
- **Leadership** (Driving architectural and cultural changes with regard to machine learning and software development inside my division)
- **Communication** (Advised and mentored colleagues as well as several interns at Bosch; Presented my work in front of professional auditoriums)

Scientific
- Expert applied knowledge of data mining and machine learning methods
- Deep understanding of algorithm theory and data structures
- Knowledgeable in statistical modelling and numerical optimization