



Steffen Remus

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Core Skills & Expertise

Machine Learning & AI:

NLP, Deep Learning, GenAI, Information Extraction, Information Retrieval, LLMs, RAG

Software Engineering:

CI/CD, TDD, Containerization, Web-services, Orchestration Frameworks

Data Engineering:

SQL, NoSQL, Vector Databases, MapReduce, Cluster Management, DFS, ETL

Management & Leadership:

Research Collaborations, Teaching, Supervision, Project Management, SCRUM, Workshop Organization

Problem-Solving & Analysis:

Critical Thinking, Algorithmic Design

Technical Skills

Programming Languages:

Python, Java, JavaScript, TypeScript, R, $\text{\LaTeX}$, Scala, C#

Cloud & DevOps:

AWS, GCP, Azure, Docker, Linux, SSH, CSSH, GH Actions, Ansible, ...

Languages & Interests

Languages:

German (native), English (fluent), Spanish & French (basic)

Interests:

- 🏃 Running
- 🏄 Kitesurfing
- 🚴 Biking
- 💻 Technology
- 🔧 Problem-Solving

*Last updated July 22, 2026

Professional Summary

Passionate software engineer and machine learning & NLP expert with 10+ years' experience. Proven track record in the development & provision of technical support for AI applications utilising ML or GenAI technologies, scalable data pipelines, and CI/CD-driven lifecycles. Experienced in cloud technologies (AWS/GCP/Azure), containerized deployments, observability and interdisciplinary/cross-functional technical mentoring.

Professional Experience

07/2023 - now Postdoctoral Research Scientist

Language Technology Group, University of Hamburg, Hamburg, Germany

06/2016 - 10/2024 Consulting / Service:

- Glanos GmbH, Munich, Germany
- T-Systems, Darmstadt, Germany
- Merck KGaA, Darmstadt, Germany

10/2016 - 06/2023 Research Scientist

Language Technology Group & HITeC e.V., University of Hamburg, Hamburg, Germany

04/2013 - 06/2016 Research Scientist, Stipend Holder in the Research Graduate School: "Knowledge Discovery in Scientific Literature"

Technical University of Darmstadt & German Institute for International Educational Research (DIPF)

05/2015 - 11/2015 Research Intern

IBM, Zurich Research Lab, Rüschlikon, Switzerland

07/2014 - 10/2014 Research Intern

IBM, Thomas J. Watson Research Center, Yorktown Heights, NY, USA

10/2012 - 04/2013 Software Engineer (full-time)

ConWeaver GmbH, Darmstadt, Germany

11/2010 - 09/2012 Software Engineer (part-time)

ConWeaver GmbH, Darmstadt, Germany

10/2009 - 03/2012 Tutor Software Engineering 1+2

Technical University of Darmstadt, Darmstadt, Germany

04/2007 - 08/2008 Student Helper, Technical Server Administration

JDS-Sommer GmbH, Frankfurt (Main), Germany

11/2002 - 04/2006 Minijob

Greater Union Filmpalast (Cinestar Metropolis), Frankfurt (Main), Germany

07/2000 - 08/2003 Systems Specialist, EWSD Systems

Siemens AG, Frankfurt (Main), Germany

Education

06/2023 Ph.D. in Computer Science, Language Technology

University of Hamburg, Hamburg, Germany

Thesis: "[Domain Defining Context: On Domain-Dependent Corpus Expansion and Contextualized Semantic Structuring](#)"

10/2012 M.Sc. in Computer Science

10/2009 Technical University of Darmstadt, Darmstadt, Germany

Thesis: "[Automatically Identifying Lexical Chains by Means of Statistical Methods – A Knowledge-Free Approach](#)"

10/2009 B.Sc. in Computer Science

10/2005 Technical University of Darmstadt, Darmstadt, Germany

Thesis: "Next-Gen IDE – Evaluation Of Statistical Approaches For Intelligent Code Completion"

07/2005 State Certified Engineer for Computer & Networking Systems

09/2003 Werner von Siemens Professional School, Frankfurt am Main, Germany

06/2000 State Certified Apprenticeship, Information and Telecommunications Systems Electronics Technician (Ausbildung zum Informations- und Telekommunikationssystem Elektroniker)

Siemens AG, Frankfurt (Main)

07/1997 High School

08/1991 Brüder-Grimm-Realschule, Frankfurt (Main)