

Nasr Kasrin

Data, Information, & Knowledge Management

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About

Curious, self-motivated, and empathetic—a research scientist by training and a product developer by practice. From the technical side, I tend to gravitate to the architectural side of things (recently, cross-system interfaces in my Ph.D.). I am productive in positions that mix technical and non-technical work. I also have a track record in leadership positions.

Product Development / R&D

- 2015 – 2021 **Researcher Associate**, *University of Bamberg (Third-Party Projects)*, Germany
Designed and delivered data management solutions for a computer-aided manufacturing project which included companies such as Airbus (explorative/R&D project).
- 2011 – 2013 **Team Leader / Software Architect / R&D Engineer**, *TayaIT*, Cairo, Egypt
Led the development of several iOS apps and games as product owner (reported to the CEO), built architectures, computer (AI) players; responsible for aligning the technical, marketing, and strategy teams.

Academic / Managerial

- 2013 – 2015 **Lecturer / Managerial Roles**, *University of Technology Twintech*, Yemen
Carried out managerial duties (reporting to the university president) and taught several courses (ex., Object Oriented Programming, Art & Design History, Human-Computer Interaction).
- 2008 – 2012 **Teaching Assistant**, *The German University in Cairo (GUC)*, Cairo, Egypt
Taught 10 hours per week of tutorials, in addition to grading and exam correction (courses: Introduction to Artificial Intelligence, Introduction to Computer Science, Introduction to Computer Programming).

Education

- 2019 – 2023 **Ph.D.**, *The University of Bamberg*, Germany (*Prospective*)
- 2009 – 2010 **MSc.**, *Faculty of Engineering, The German University in Cairo (GUC)*, Egypt
- 2003 – 2008 **BSc.**, *Faculty of Engineering, The German University in Cairo (GUC)*, Egypt

Technical

Good Familiarity

Python, Neo4j, Prolog, git, \LaTeX , Linux
CLI, Lisp, Java (v5)

Past Experience

SQL, MongoDB, UML, Redis, Pearl,
C++, Lucene, Micro-C programming

Projects

- 2017 – 2020 **kgservice**: A semantic graph database interface. [🔗/simutool/kgservice](https://github.com/simutool/kgservice)
- 2019 **aku-client**: Meta-data client of the kgservice. [🔗/simutool/aku-client](https://github.com/simutool/aku-client)
- 2018 **om-tool**: A tool to visualize and enrich sensor data. [🔗/simutool/om-tool](https://github.com/simutool/om-tool)
- 2017 **model-builder**: Loads an ontology to a Neo4j graph. [🔗/simutool/model-builder](https://github.com/simutool/model-builder)
- 2005 – 2015 A detailed portfolio for this period can be retrieved from: bit.ly/3HTuluG

Languages

English
Fluent

Arabic
Fluent

German
B1 (Telc Certificate)

Publications

- [1] Nasr Kasrin (et al.). Data-Sharing Markets for Integrating IoT Data Processing Functionalities. *CCF Transactions on Pervasive Computing and Interaction*, 2021.
- [2] Nasr Kasrin (et al.). Semantic Data Management for Experimental Manufacturing Technologies. *Datenbank-Spektrum*, 2018.
- [3] Haythem O. Ismail and Nasr Kasrin. Focused Belief Revision as a Model of Fallible Relevance-Sensitive Perception. In *KI 2010: Advances in Artificial Intelligence*, 2010.
- [4] Haythem Ismail and Nasr Kasrin. High-Level Perception as Focused Belief Revision. In *European Conference on Artificial Intelligence (ECAI)*. 2010.

References

Daniela Nicklas, *Professor*, University of Bamberg

Haythem Ismail, *Dean*, MET Faculty, The German University in Cairo

Ashraf Tawwakol, *Co-founder*, Intersection; formerly, *CEO*, TayaIT

Wael Alaghbari, *President*, International University of Technology Twintech