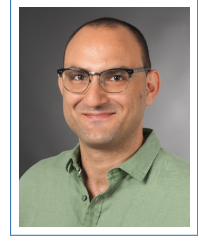


Nasr Kasrin

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in /nkasrin



Product manager with an R&D edge. Specialized in data architecture, robotics, and mobile apps. Seeking a leadership-technical role in a collaborative environment which offers a work-life balance

Education

- 2023 **PhD (Dr. rer. nat.)**, *IS & Applied Computer Science, Uni. Bamberg, Germany*
Thesis: The Basin Network: A next generation data management approach akin to data mesh, data space, and data lake. A data architecture pattern for the interoperable cataloging, governance, and exchange of data. See n42r.github.io/phd
- 2010 **MSc.**, *Computer Science & Engineering, The German University in Cairo, Egypt*
Thesis: A framework for robot perception, including computational and algorithmic models. Ex., if a robot hears a baby but does not see it, is there a baby?
- 2008 **BSc.**, *Computer Science & Engineering, The German University in Cairo, Egypt*

Experience

- 2015 – 2021 **Research Associate**, *University of Bamberg (EC Project), Germany*
- Led the development of a data management suite for a project of 8 companies.
 - Research and developed data architectures.
 - Led a team to develop several interacting software components.
 - Published papers in data management, the IoT, and knowledge graphs.
- 2013 – 2015 **Managerial Roles / Lecturer**, *University of Technology Twintech, Yemen*
- Managed the IT and Multimedia faculties, reporting to the university president.
 - Taught courses: *Object Oriented Programming, Analysis and Design of Software, Human-Computer Interaction, Research & Development.*
- 2011 – 2014 **Team Leader / Architect / R&D Engineer**, *TayaIT, Cairo, Egypt*
- Managed multiple products, social media apps and games, and reported to the CEO.
 - Led cross-functional teams of technical, marketing, user interface, and strategic business teams to drive the success of projects.
 - Designed software architectures for the products.
 - Developed AI players for games, resulting in improved user ratings and app rankings.
- 2008 – 2012 **Teaching Assistant**, *The German University in Cairo (GUC), Cairo, Egypt*
- Taught 10 hours per week of tutorials, interfacing with 150 new students per semester.
 - Courses: *Introduction to Artificial Intelligence, Introduction to Computer Science, Introduction to Computer Programming.*

Skills

General Data Architecture, Product Management, R&D/Innovation Management
Programming Python, Semantic/Graph Databases, Prolog, lisp

Projects

- 2016 – 2019 **SIMUTOOL KM Suite**, *SIMUTOOL (EC Horizon 2020 Project)*
Data cataloging & exchange solution for an Industry 4.0 project. See github.com/simutool
- Managed the whole product.
 - Developed the data architecture, including interfaces and data formats.
 - **Results:** The project was accepted by the EC commission, several papers were published, and a PhD resulted from the successful execution of this project.
- 2011 – 2014 **Greetings Studio**, *TayaIT*
An App for creating and sharing e-cards and visual sentiments. See n42r.github.io/gs
- Managed the product.
 - Led the technical team.
 - **Results:** The number of active users grew, and the rating of the App was 4 stars.
- 2011 – 2013 **Tawla iOS Game**, *TayaIT*
Backgammon board game App on the iOS mobile platform. See n42r.github.io/tw
- Developed AI players and other R&D components.
 - Led the technical team.
 - **Results:** The rating of the App improved from 3 to 4+ stars on the Apple Store.
- 2010 – 2011 **ArtSapiens**, *The German University in Cairo*
Software to compete in the RoboCup 2D Soccer Simulation competition.
- Co-founded the team of 10.
 - Led the R&D of several complex components (ex., Markov Decision Models).
 - **Results:** The team qualified and competed in the 2011 RoboCup finals.

Languages

English Fluent
German B1 (Telc Certificate)

Publications

- 2021 *Data-Sharing Markets for Integrating IoT Data Processing Functionalities*. CCF Transactions on Pervasive Computing and Interaction.
- 2018 *Semantic Data Management for Experimental Manufacturing Technologies*. Datenbank-Spektrum.
- 2010 *Focused Belief Revision as a Model of Fallible Relevance-Sensitive Perception*. Künstliche Intelligenz 2010: Advances in Artificial Intelligence.
- 2010 *High-Level Perception as Focused Belief Revision*. European Conference on Artificial Intelligence (ECAI).