

# Nasr Kasrin (PhD)

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Technischer Leiter (unternehmensweit, team, und produkt) mit ein hintergrund als Architekt (solution-, integration-, und data architektur). Ich bringe 15 Jahre Erfahrung in globaler Unternehmen, Startups, und Forschungs- und Entwicklungsprojekte (Research & Development).

Meine Stärke liegt darin, Dinge ganzheitlich zu betrachten und Geschäftsstrategien in Produktarchitekturen, organisatorische Fähigkeiten und langfristigen Geschäftswert umzusetzen.

## Experience

### Lead Solution Architect

PUMA SE, GLOBAL E-COMMERCE ENGINEERING

06.2024 - 07.2025

Herzogenaurach, Germany

- Led and scaled two cross-functional teams (4+4 engineers, 2 leads), driving a **20% performance boost** for PUMA.com. [NodeJS / React].
- Founded the **Technical Cats of Ecomm**, a platform for company-wide **technical communication and alignment**.
- Designed and developed an **AI/LLM-powered framework**, optimizing software engineering efficiency and automation.
- Resolved a critical, long-standing issue that was causing **90% order loss** during high-traffic product launches.

### Data Architecture Scientist | Doctoral Candidate | Founder-in-Exploration

FREELANCE

2021 - 2024

Bamberg, Germany

- Built **MuzeAI**: an open-source LLM-driven music recommendation prototype, with positive feedback from pilot users. [Python]
- Invented **The Basin Network**: a data architecture for interoperability and integration of ML data across teams and enterprises.
- Was co-founding a B2B startup (medical sector) for AI/LLM-driven solutions (left when joining PUMA).

### Research Associate (Team Lead | Dev Lead | Architect | Data Solutions Engineer)

UNIVERSITY OF BAMBERG (EU-FUNDED MANUFACTURING PROJECT)

2015 - 2020

Bamberg, Germany

- Led a 4-year initiative to develop **SIMUTOOL Data Management SaaS**, which optimized operational efficiency by 30% for a €3.5M EU-funded aerospace manufacturing consortium. [NodeJS / REST / Java / MongoDB / SQL]
- Engineered a read-heavy SaaS, ensuring seamless operations and future-proof scalable architecture.

### R&D Engineer (AI) | Team Lead | Software Architect

TAYAIT

2011 - 2014

Cairo, Egypt

- Led a team to build AI players for a commercial iOS mobile board game (**Tawla**), driving rankings from 3 to 4.5/5.
- Directed a team in building an iOS mobile app (**Greetings Studio**) increasing user engagement by 10x.
- Reduced feedback-development cycle times by 25% by coordinating cross-functional collaboration between technical and business.
- Saved the company 10-man months by investigating emerging trends and advising the CEO away from dead end directions.

## Areas of Interest

### Leadership

Cross-functional collaboration, Product Management, Stakeholder Engagement & Data-Driven Decision Making

### Tactical

Solution Architecture & Scalable Data Systems, AI & ML Data Interoperability

### Data Engineering & AI/ML

SQL, NOSQL, Python, data interoperability

### Domain Expertise

AI, Metadata, Data (Integration | Governance | Interoperability | Cataloguing), Standardization, Domain Modeling

## Education

### PhD. (Dr. rer. nat.): Data Strategy / Data Architecture

OTTO-FRIEDRICH-UNIVERSITÄT BAMBERG, FACULTY OF INFORMATION SYSTEMS & APPLIED COMPUTER SCIENCE

Bamberg, Germany

### MSc. (Masters of Science): Artificial Intelligence / Robotics

THE GERMAN UNIVERSITY IN CAIRO, FACULTY OF COMPUTER SCIENCE & ENGINEERING

Cairo, Egypt

### BSc. (Bachelors of Science)

THE GERMAN UNIVERSITY IN CAIRO, FACULTY OF COMPUTER SCIENCE & ENGINEERING

Cairo, Egypt

## Languages

English: Fluent | German: B1 (Telc Certified)