Nasr Kasrin (Dr.)

TECHNICAL LEADER · ARCHITECT

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Technical leader (business-wide, team, product) with background in Architecture (solution, integration, and data architecture). I bring 15 years of experience across global enterprises, startups, and R&D projects.

My strength lies in seeing things holistically and translating business strategy into product architectures, organizational capability, and long-term business value.

Experience

Lead Solution Architect
PUMA SE, GLOBAL E-COMMERCE ENGINEERING
06.2024 - 07.2025
Herzogenaurach, Germany
- Led two teams (4+4 engineers, 2 leads), driving a **20% performance boost** for PUMA.com. *[NodeJS, Google Cloud]*
- Founded the **Technical Cats of Ecomm**, a platform for company-wide **technical communication and alignment**.
- Researched **AI/LLM-powered tools** for optimizing software engineering efficiency.
- Resolved a critical issue causing **90% order loss** during product launches.

Data Architecture Scientist | Doctoral Candidate | Founder-in-Exploration
FREELANCE
2021 - 2024
Bamberg, Germany
- Built **MuzeAI**: an open-source LLM 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 project to develop **SIMUTOOL Data Management SaaS**, which optimized operational efficiency by 30% for a €3.5M EU 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 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.

Skills

Leadership	Cross-functional collaboration, Product Management, Stakeholder Engagement, Communication
Tactical	Solution Architecture & Scalable Data Systems, AI & ML Data Interoperability
Data Integration & Engineering	RET, SQL, NOSQL, Python, Microservices
Domain Expertise	AI, Metadata, Data (Integration | Governance | Interoperability), 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**: Good