

# Mohammad Soori



- 📍 Germany
- ✉ msoori.developer@gmail.com
- 🌐 <https://www.linkedin.com/in/mohammad-soori-developer/>

## EDUCATION AND TRAINING

- |             |   |
|-------------|---|
| 2016 - 2020 | • <b>Doctoral Candidate in Software Engineering</b> <i>SRBIAU, Tehran, Iran</i> |
| 2005 - 2008 | • <b>Master of Science in Software Engineering</b> <i>SRBIAU, Tehran, Iran</i>  |
| 2000 - 2005 | • <b>Bachelor of Science in Software Engineering</b> <i>PNU, Larestan, Iran</i> |

## PROFESSIONAL SKILLS

- |                   |  |
|-------------------|--|
| 12.2023 – Present | <b>Senior Data Engineer</b> <i>NiCE Cognigy GmbH, Germany</i> <ul style="list-style-type: none"><li>• Designed and implemented a comprehensive Microsoft Azure based Data Lakehouse from the ground up, tailored for the finance sector and integrating financing and CRM systems. Later expanded the platform into a second-generation architecture by introducing a modular ingestion and transformation stack using Airbyte, Apache Airflow, and dbt, reducing the onboarding time for new data sources from several days to a couple of hours and improving overall pipeline consistency and transparency.</li><li>• Designed the overall data architecture based on the Medallion Architecture framework, defining standardized Bronze, Silver, and Gold layers. Implemented Change Data Capture (CDC) and Slowly Changing Dimensions Type 2 (SCD2) patterns to ensure accurate historical tracking, reliable incremental processing, and improved data lineage and analytical consistency across the Lakehouse environment.</li></ul> <p><b>Technologies:</b> Airbyte, Apache Airflow, Azure Data Factory, Azure Data Lake Gen2, Azure Storage, Azure Key Vault, dbt, Azure PostgreSQL, Azure DevOps, Power BI</p> |
| 04.2020 – 11.2023 | <b>Principal Data Engineer</b> <i>Alexander Thamm GmbH, Germany</i> <ul style="list-style-type: none"><li>• Designed and implemented an Azure based Data Warehouse solution for the automotive sector, integrating certification process data for one of the largest automotive manufacturers.</li><li>• Developed the global data warehouse and reporting platform for a major European insurance company, including end to end solution architecture design, data modeling, and BI delivery.</li><li>• Led the development of a real time monitoring and alerting system for shop floor operational data at a leading car manufacturer, enabling proactive quality control and improved production management through streaming pipelines and real time dashboards.</li></ul>  |

**Technologies:** Azure Data Factory, Azure Data Lake Gen2, Azure Databricks, Azure SQL Database, Azure Event Hubs, Azure Data Explorer, Azure PostgreSQL, Kafka, Grafana, Splunk, Azure DevOps, Power BI, Data Vault 2.0.

- 03.2017 – 03.2020      **Big Data Engineer & Team Leader** *Fanavaran Sepehr Mahan, Tehran*
- Led the development of an Employee Monitoring System as the technical lead for a team of five developers, enabling managers to identify human activity issues more efficiently and significantly improving overall productivity through centralized behavioral analytics and real time monitoring capabilities.
- Technologies:** Hadoop Ecosystem, Apache Metron, Splunk
- 04.2015 – 03.2017      **DBA & Software Developer** *Sanat Ertebat Pishro, Tehran*
- Designed and implemented a comprehensive Customer Profile System for Iran Insurance Company as the project lead and database developer, improving client data management, accessibility, and operational efficiency across the organization.
- Technologies:** Java, Oracle
- 08.2013 – 04.2015      **Database Designer & Programmer** *LAD Telecom Qeshm Company, Tehran*
- Designed, developed, and deployed an AAA (Authentication, Authorization, Accounting) solution for the Telecommunication Company of Iran, streamlining operational workflows and improving service delivery. Served as DBA, database programmer, and server side developer for the project.
  - Designed and developed an accounting system for Shahab Tarabar, an oil industry logistics company, improving financial data processing and reporting accuracy.
- Technologies:** PostgreSQL, Perl, Delphi, MS SQL Server
- 08.2012 – 07.2013      **Database Designer & Programmer** *Misbah Computer Communication Company, Shiraz*
- Developed a data collection and management system for Aryacell's fiber optic network as a Full Stack Developer, capturing and processing network test data to improve visibility and operational reliability.
  - Engineered and deployed a project ranking and evaluation system for Isargaran Company as a Full Stack Developer, enhancing performance tracking and decision making in construction projects.
- Technologies:** Delphi, MS SQL Server, Microsoft Access
- 09.2008 – 08.2012      **University Faculty Member** *IAU, Larestan*
- Taught core undergraduate courses in Computer Engineering, including Software Engineering, Operating Systems, Database Systems, Data Storage and Retrieval, Internet Engineering, Data Structures and Algorithms, Computer Architecture and Assembly Language, and Digital Logic Design.
  - Developed course materials, delivered lectures, conducted practical sessions, and evaluated student performance with a strong focus on applied understanding and industry relevance.

- Supervised senior student projects and capstone theses, providing guidance on software design, algorithms, data management, and system-level problem solving.

## Expertise and Experience

---

Cloud Technologies	<ul style="list-style-type: none"> <li>• Official Microsoft Azure Certified: <ul style="list-style-type: none"> <li>◦ Data Factory, Azure Functions, Data Explorer, Event Hubs, Azure DevOps, etc.</li> </ul> </li> <li>• AWS: <ul style="list-style-type: none"> <li>◦ EC2, S3, RDS, Lambda (Exposure via a Partner Program)</li> </ul> </li> </ul>
Data Warehousing Technologies	<ul style="list-style-type: none"> <li>• Databricks, Snowflake, dbt, PostgreSQL, MS SQL Server, MongoDB, PL/PgSQL, T-SQL</li> </ul>
Big Data and Analytics	<ul style="list-style-type: none"> <li>• Splunk, Kafka, Apache Hadoop Platform, HDFS, Apache NiFi, ELK Stack</li> <li>• Power BI, Grafana</li> </ul>
Programming Languages	<ul style="list-style-type: none"> <li>• Python, Perl, PHP (Laravel), Delphi</li> </ul>
DevOps and Tools	<ul style="list-style-type: none"> <li>• Airbyte, Apache Airflow, Fivetran, Terraform, Docker, Scrum, CI/CD, Git, Jira, Confluence</li> </ul>
Emerging Technologies	<ul style="list-style-type: none"> <li>• Ontology, Graph Databases (neo4j), LLM, and ML models (Exposure and limited experience)</li> </ul>
Soft Skills	<ul style="list-style-type: none"> <li>• Problem Solving, Creativity and Initiative, Leadership, Team Collaboration</li> </ul>

## ADDITIONAL INFORMATION

---

Languages	<ul style="list-style-type: none"> <li>• English (Business fluent)</li> <li>• German (B1)</li> <li>• Persian (Native)</li> </ul>
Publications	<ul style="list-style-type: none"> <li>• 'Data Replication techniques in IoT – A survey'. Mohammad Soori, Nima Jafari. 2017.</li> </ul>
Conference papers	<ul style="list-style-type: none"> <li>• 'The Influential Factors in Employing IRAN E-Government Portal: Survey of Information Quality'. Mohammad Soori, Zahra Ziaee, Mohammad Hasan Shenasa. 3rd IEEE International Conference on Information and Communication Technologies: From Theory to Application (ICTTA'08). ISBN: 978-1-4244-1751-3. 7-11 April 2008. Damascus, Syria.</li> <li>• 'Feasibility study of government services in the health sector: In the context of mobile technologies in Iran'. Ebrahim Zamani, Mohammad Hassan Sheikhi, Mohammad Soori. 3rd International Conference of e-commerce with the focus on Developing Countries. 1-2 November 2008. Isfahan, Iran.</li> </ul>
Honors	<ul style="list-style-type: none"> <li>• Scientific committee member of 'Youth and Media Festival', Tehran, Iran, June 2010.</li> <li>• Reviewer of research proposal, Faculty of Medical Sciences and Health Services, Larestan, Iran, August 2015.</li> </ul>