

AI-Enabled Data Architect

About Us

Founded in 2015, Touchcore Systems is a mid-sized IT company providing software solutions and services in the healthcare space. We are a team of engineers and designers building innovative and cutting-edge software solutions. We are a people-centric organization where we aim to not only make profits but create a space that motivates people to be creative and give their best at work. We offer a suite of healthcare products and services that aim to improve quality of care and outcomes for patients.

Experience Level: 5-8 Years

Location: Pune office

Joining: Immediate or up-to 1 months' notice

Summary:

We are seeking an experienced AI-Enabled Data Architect & BI Lead with deep expertise in Microsoft SQL Server, Azure Data Services, Power BI, and .NET technologies. You will design and implement scalable, intelligent, cloud-native data solutions that power advanced analytics and decision-making.

This role blends data engineering, BI architecture, and AI integration, requiring hands-on experience with SQL Azure, Azure Data Factory, SSIS, Power BI, and .NET Core for end-to-end solution delivery. You will leverage AI-assisted tools such as GitHub Copilot, ChatGPT, and Azure AI Studio to accelerate development, automate workflows, and deliver smarter, faster outcomes.

As a technical leader, you will design data models, build ETL pipelines, and develop analytical dashboards and AI-driven insights, collaborating closely with data engineers, developers, and business stakeholders to deliver enterprise-grade analytics solutions.

If you are passionate about uniting data architecture, business intelligence, and applied AI in a collaborative Agile environment, this role offers the opportunity to shape the next generation of intelligent data platforms—with a strong focus on delivering high-quality, secure solutions for healthcare applications.

Key Responsibilities:

- Translate business and functional requirements into data architecture and design blueprints, serving as the Technical Architect and Lead Developer for BI, data warehousing, and AI-integrated analytics solutions.

- Design and implement optimized data models, OLAP cubes, star/snowflake schemas, and slowly changing dimensions for analytics and reporting.
- Build and maintain Azure Data Factory pipelines and SSIS packages for high-performance data ingestion, transformation, and orchestration.
- Develop advanced Power BI dashboards and reports using DAX, role-based security, and embedded analytics; integrate AI/ML models to automate insights.
- Implement robust data validation, governance, and security frameworks to ensure reliability, scalability, and compliance.
- Develop and maintain .NET APIs and microservices to securely expose and integrate enterprise data.
- Collaborate with cross-functional teams and continuously explore Azure AI, Power BI, and .NET innovations to improve platform intelligence and performance.

Qualifications:

- a. Bachelor's degree in Computer Science, Information Systems, Information Technology, or equivalent combination of education and relevant experience
- b. 5-8 years of experience in Handling Big data.
- c. Expertise in Microsoft SQL Server technologies, including SQL Azure, Azure Data Warehouse, Azure Data Factory, SSIS, SSRS, and SSAS, with strong hands-on T-SQL skills for developing database scripts, stored procedures, and automation.
- d. Proven experience in ETL architecture and development using SSIS and Azure Data Factory, with solid knowledge of data modeling, transformation, cleansing, and profiling techniques.
- e. Advanced proficiency in Power BI, including data modeling, DAX, MDX, KPI creation, and interactive dashboard design for enterprise analytics.
- f. Skilled in .NET / C# development for backend API and microservice design, data integration, and business logic implementation, with experience building end-to-end solutions using React/Angular (preferred), .NET backend, and SQL-based data services.
- g. Experience integrating AI and ML models via Azure Machine Learning, Cognitive Services, or OpenAI APIs for predictive analytics, automation, and intelligent reporting.

- h. Practical exposure to AI pair programming tools such as GitHub Copilot, ChatGPT, and Azure AI Studio, leveraging them for faster, cleaner, and smarter code generation.
- i. Hands-on experience with Agile methodologies, CI/CD pipelines, and version control tools (Git, Azure DevOps), ensuring high-quality, maintainable, and collaborative delivery.
- j. Strong understanding of data governance, security, and compliance frameworks in cloud-based data environments.
- k. Excellent analytical, problem-solving, and communication skills, with a continuous learning mindset and commitment to innovation.

Perks & Benefits

- Management's commitment to maintain work-life balance.
- Performance based bonus
- Challenging role with meaningful impact
- Several new initiatives will require building solutions from scratch.
- End-to-End ownership of work and ability to make independent decisions.