

# REVOLUTIONIZING DIAGNOSTIC SERVICES WITH CLOUD INNOVATION





# ABOUT US :

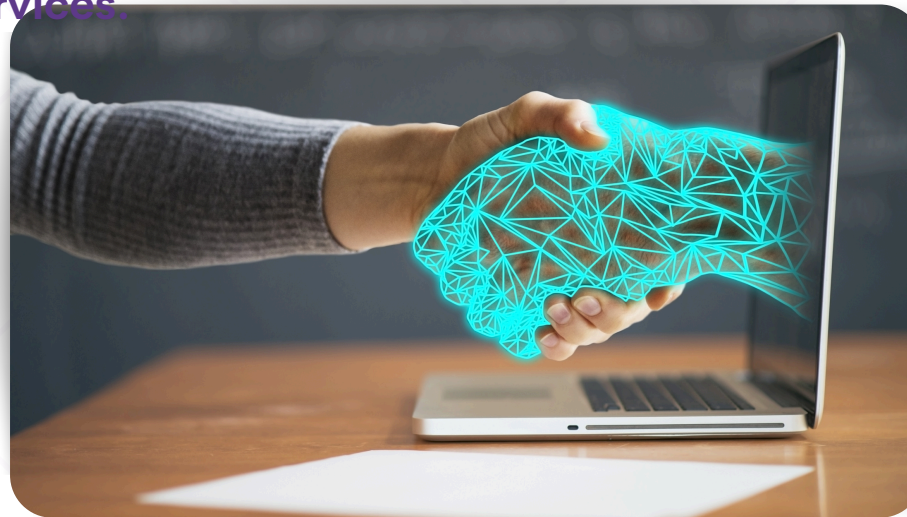
ThoughtSol Infotech is a leading IT system Integrator and cloud services provider company on a mission to enable businesses to grow through Digital Transformation. We help them to leverage the power of IT for a 360° impact on their business operations via our solutions and expertise that spans across Cloud Services, Cybersecurity Services, Data Center Solutions, Digital Solutions and NextGen Services.

YEARS IN BUSINESS **10+**

**100+** CERTIFIED RESOURCES

NUMBER OF CLIENTS **402+**

**HAPPY EMPLOYEES = HAPPY CUSTOMERS**



We are certified with Excellence in **Quality Management, Service Management, Information Service Management, Environmental Management** and **Business Continuity Management** .

**We are at CMMI LEVEL 3**



**Microsoft**  
Solutions Partner



**INDUSTRY:**  
Healthcare

[www.thoughtsol.in](http://www.thoughtsol.in)

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— Exceeding Expectations —

## ABOUT THE CLIENT :

Established in August 2017, our client is a leading provider of diagnostic services in India. With NABL-accredited labs manned by over 200 senior pathologists and 2000 technicians, they operate across 20+ states. Their extensive network includes 70 labs and 2000+ collection centers, ensuring widespread accessibility and quality care.





# **BUSINESS CHALLENGES:**

- Legacy applications hosted on on-premises servers struggled with scalability and downtime due to resource constraints and manual maintenance.
- The absence of a robust CRM system led to inefficiencies in customer interaction, data management, and analytics.







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#### OFFERINGS:

- Azure Cloud (End-to-End)
- Azure DevOps (CI/CD Pipelines)
- VDI
- Database Administration
- Database Migration

## SOLUTIONS OFFERED:

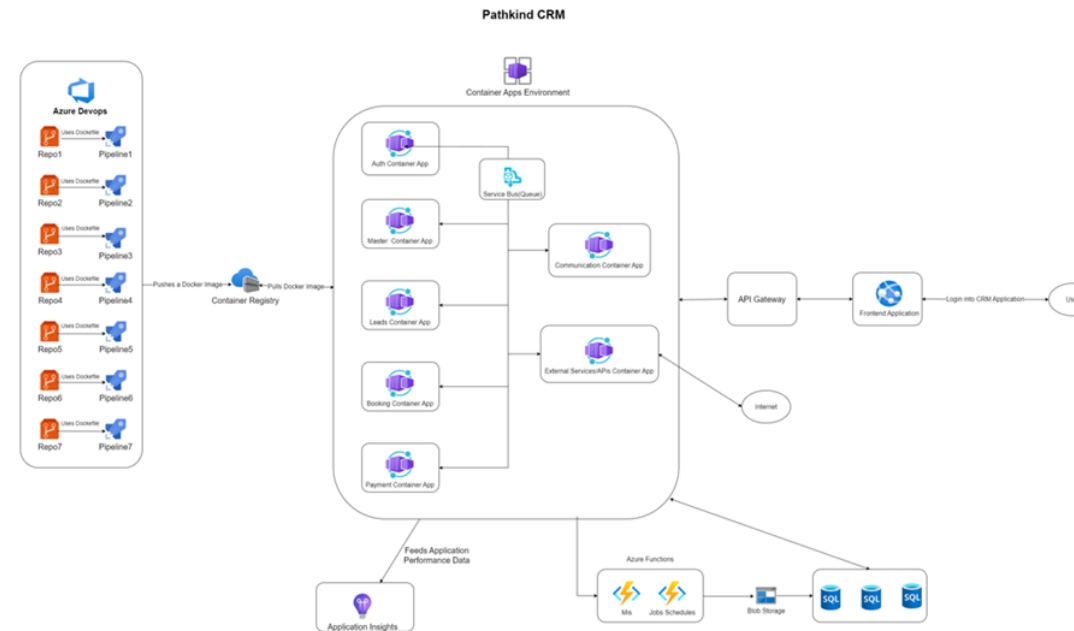
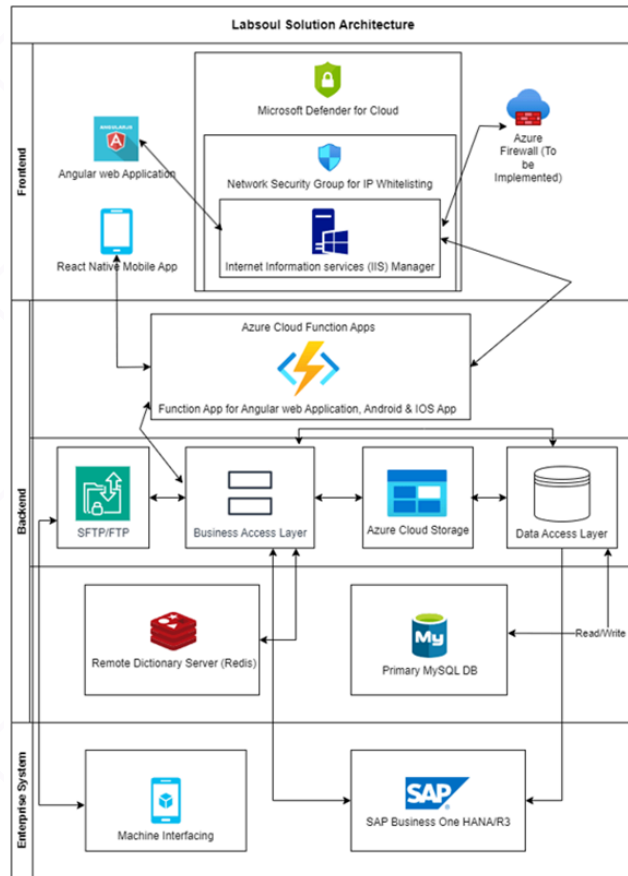
### 1. Migration to Azure Cloud Infrastructure

- Utilized Azure Virtual Machine for seamless lift-and-shift migration, ensuring minimal disruption and efficient resource utilization.
- Leveraged Azure Storage Accounts for scalable and durable storage, optimizing data accessibility and reliability.
- Employed Azure MySQL Flexible servers for high-performance, fully managed database solutions, enhancing application responsiveness and reliability.

### 2. Development of CRM Application

- Architected a microservices-based CRM application on Azure Container Apps for granular scalability, fault isolation, and streamlined deployment.
- Implemented Azure SQL Managed Instance for managed, highly available database instances, ensuring data integrity and performance.
- Utilized Azure App Service for containerized application hosting, enabling seamless deployment and scaling.
- Established CI/CD pipelines with Azure DevOps for automated build, test, and deployment processes, facilitating rapid iteration and continuous improvement.

# TECHNOLOGIES USED



Azure Cloud offers a scalable platform for hosting applications, while Azure DevOps streamlines software development with CI/CD pipelines.

VDI solutions enable secure remote access, and Azure's managed database services and migration tools simplify database administration and transition to the cloud.





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# IMPLEMENTATION PROCESS



- Conducted thorough assessment and planning to identify application dependencies and migration strategies.
- Executed migration using Azure services such as Virtual Machine, Storage Accounts, MySQL Flexible servers, and Function Apps, ensuring data consistency and minimal downtime.
- Developed CRM application iteratively, following microservices architecture principles and leveraging Azure Container Apps, Azure SQL Managed Instance, Azure App Service, and Azure DevOps for efficient development, testing, and deployment.

# BUSINESS IMPACTS

- **Enhanced Availability and Resilience:** Achieved high availability and resilience for both legacy and CRM applications, minimizing downtime and ensuring uninterrupted service delivery.
- **Implemented automated monitoring and alerting systems** to proactively identify and mitigate potential issues, maximizing system uptime and reliability.
- **Auto-scaling Capabilities:** Implemented auto-scaling mechanisms for the CRM application, dynamically adjusting resources based on demand to optimize performance and cost-efficiency.
- **Leveraged Azure Container Apps'** built-in auto-scaling features to seamlessly handle fluctuations in workload across microservices, ensuring optimal resource utilization and responsiveness.







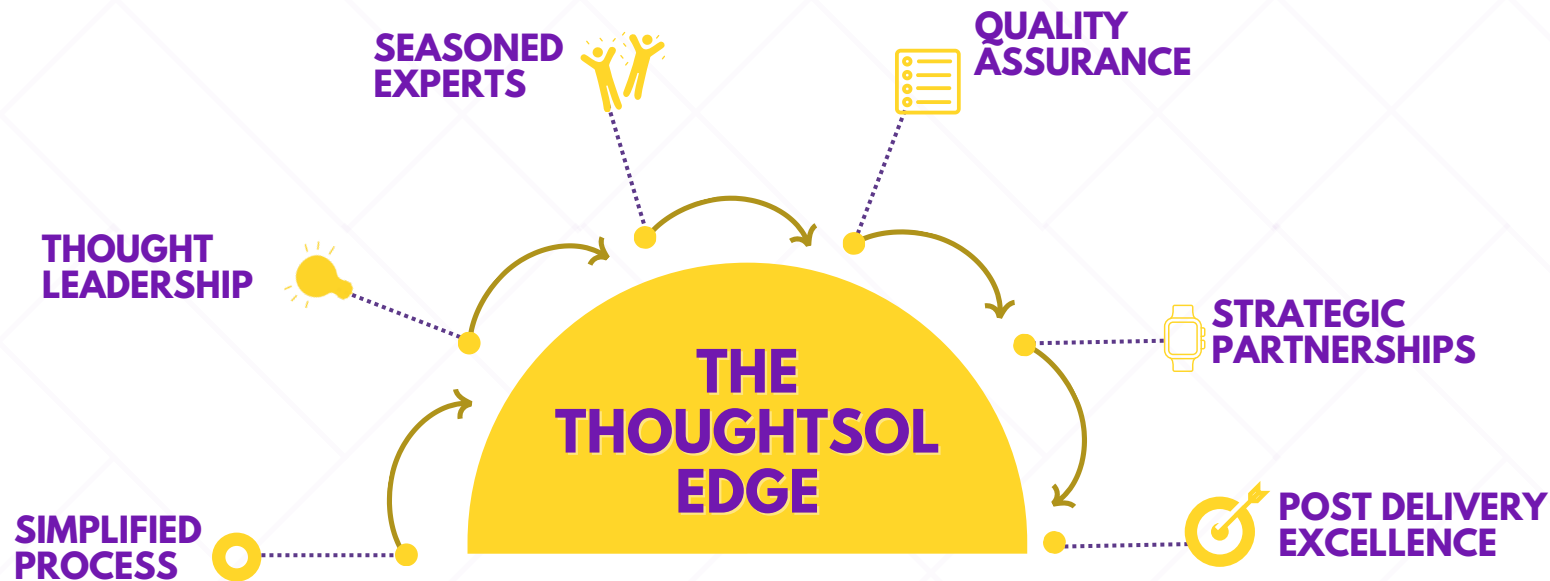
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## CONCLUSION:

- Through strategic collaboration and technical expertise, ThoughtSol empowered the client to overcome technological barriers and achieve unprecedented levels of efficiency and reliability in diagnostic services.
- The adoption of Azure cloud services and advanced DevOps practices marked a significant milestone in the client's digital transformation journey, positioning them for continued growth and innovation in the dynamic healthcare landscape.

# THE THOUGHTSOL EDGE:



**CONNECT WITH OUR EXPERTS**



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We believe in the happiness of all our stakeholders and keep our **customers at the centre of everything** we do.