Sayan Mandal

LIMS Technical Solution Architect | ThermoFisher LIMS Software Specialist

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Professional Summary

12.8 years of working experience as an IT professional in below roles :-

- 5.3 years of experience as LIMS Solution Architect, designer & developer for ThermoFisher LIMS solution.
- 1 year of experience as business analyst cum technical scrum master.
- 1.5 year of experience as techno functional lead handling the delivery of critical projects.
- 2.2 years of experience in BIPM domain, working as a BI developer as well as ETL developer.
- 2.8 years of experience as developer and application support specialist in Java, J2EE, Oracle PL SQL, Unix, VB6.

Seeking a position in the organization to utilize my skills and abilities that offers professional growth and provides me job satisfaction while being resourceful, innovative and flexible.

Personal Details

- Date of Birth: 10 Feb 1990
- Dutch Residence Permit: Yes, valid till 08 Sep 2025
- Dutch Driving License: Yes, valid till 23 Mar 2028

Summarised Skillset

- ThermoFisher LIMS Sample Manager
- ThermoFisher LIMS Integration Manager
- Azure IAAS/PAAS, Azure DevOps
- Microsoft SQL Server
- Microsoft Visual Studio
- SDLC, STLC and Agile Scrum Methodologies, DevOps Way of working
- IBM Cognos 10.1 BI Suite (Data Manager, Framework Manager, Report Studio, Query Studio, Analysis Studio, Transformer, Administration)
- MS Power BI/Power Query/Power Automate
- Oracle PL/SQL Developer
- Java/J2EE Developer
- IBM DB2 and Informix database

Employment History

The details of the roles that I have worked in are listed here, in reverse chronological order starting with the most recent.

LIMS Solution Architect, Designer and Technical Developer at Tata Consultancy Services

AUGUST 2019 — PRESENT

During my tenure at TCS, Netherlands I played a pivotal role in rolling out of the ThermoFisher LIMS solution in different departments of customer's R&D business replacing all obsolete local systems. The standard solution used for the entire business landscape increased reliability of research data from tests and experiment, improve the lead time, efficiency and effectiveness of the processes. My experience has been summarized below.

Responsibilities:

- Design and develop process workflows to facilitate more users to use the system.
- Train and assist key users in designing, configuring, report development in the system.
- Support and maintain the LIMS R&D system, resolving issues raised by end users.
- Discuss with key users to understand, plan and develop new requirements.
- Improvise the system functionality based on the feedbacks from key users.
- Integrate new department process into the current system replacing obsolete system.
- Assist key users to set up instrument connection for automated data entry in the system.
- Develop CICD pipelines and maintain Azure infra landscape hosting the different environments of LIMS.

- Responsible for checking, tracking and moving the new changes across different env.
- Groom junior team members in the team, conduct peer review and provide feedback .
- Own the responsibility of ongoing developments, understand the business requirement and provide sustainable solution.
- Agile/DevOps Way of working.

Business analyst/Technical Scrum master/Techno Functional Delivery lead at Tata Consultancy Services

February 2017 — August 2019

In my role as a Technical Scrum master of the RPA Team at TCS, I played a vital role to facilitate automation in different applications across different business units in the IT landscape. My role as Techno Functional Delivery Lead cum Business Analyst involved active participation in various aspects of the project delivery lifecycle and collaboration with cross-functional technical teams.

Responsibilities:

- Facilitate the team to adapt new DevOps model of working from traditional waterfall model to bring more agility in work.
- Plan and prioritize the different requirements from multiple business units of the customer and assist in RFC creation.
- Co-ordinate with team members to plan, track, manage and ensure on time delivery of the changes.
- Agile/DevOps Way of working.
- Adhered to the Agile Scrum Methodology for program execution, ensuring a dynamic and iterative approach to software development. Successfully incorporated Agile principles into the testing process for improved flexibility and responsiveness.
- Exhibited proficiency with essential tools such as Azure DevOps and JIRA, facilitating efficient project management and issue tracking.
- Co-ordinate with different application teams to inventorise, drive, track, manage and deliver the changes for the email domain migration in different applications, systems within the client IT landscape.
- Understand the technical landscape for the complex ePortal system by coordinating with the different technical teams. Plan to ensure zero business impact and drive the successful migration of the system from old AIX environment to new AIX environments part of LCM Program.
- Contact external customers of client to facilitate and plan the migration of the outdated WebSeal junctions used by the several middleware systems as part of LCM program. Co-ordinate with the technical teams of client and their external customers to configure new WebSeal junctions followed by successful testing and cutover to new WebSeal environment with no business impact.
- Co-ordinate with the Wintel application team to plan, drive the migration of applications running on old 2003 servers to new 2012 server as part of LCM program.
- Design and develop ETL mapping in SSIS for extracting the records from source. Also modify the extraction query for better performance/optimization.
- Coordinating between different application teams to understand the workflow dependencies and plan for successful delivery of changes.

Technical Lead cum BIPM developer at Tata Consultancy Services

November 2014 — February 2017

In my capacity as Technical Team Lead cum principal developer, I played a pivotal role in the Enterprise Business Intelligence Platform team. The Stratix system is used by the Senior Management as the standard commercial order handling system to support the downstream businesses. The Cognos business intelligence suite is a strategically designed data warehouse and reporting engine that enabled the client to bring information together from the Stratix system across different business sector.

Responsibilities:

- Own the responsibility of the RFCs, understand the business requirement and provide sustainable solution.
- Design and develop ETL mapping in Cognos Data Manager for extracting the records from source. Also modify the extraction query for better performance/optimization.
- Design, modify and develop new cum existing cube models in Cognos Transformer as per business requirement. Implementation of security in cube models.
- Create new report in Report Studio as well as ad-hoc report in Query studio and data analysis in Analysis Studio as per business requirement.
- Design the project model and data flow system for different layers in Cognos Framework Manager
- Design and Implementation of new security model using Framework manager and Cognos Administration.
- Created web based journal application using HTMLDB in Oracle APEX platform.
- Prepare database objects (Package, Procedures, Functions, Scheduled jobs).
- Perform overnight support for the EBI and Old DWH data loading process and resolving support issues if any.
- Scheduling and monitoring daily jobs using Control-M tool.
- Leading the offshore team and groom junior team members in my project, conduct peer review and provide feedback.

Developer and application support specialist in Java, J2EE, Oracle PL SQL, Unix, VB6 at Tata Consultancy Services

January 2012 — November 2014

In my role as Developer cum Support Specialist, I was involved in providing technical support to the customer by managing, maintaining, and troubleshooting their IT systems and communicate with co-workers to diagnose problems and provide solutions.

Responsibilities:

- Analysis of the functional requirements for different RFCs from business, understanding the critical areas and provide sustainable solution.
- Estimate and design the enhancement model and perform the necessary changes.
- Perform Unit Testing and SIT for the same developed work, also data loading for the UAT.
- Provide on call support and resolving issues raised by business users
- Groom junior team members in my project, conduct peer review and provide feedback.
- BAU support for legacy systems.

Scholastics

Degree	Year of Passing	Major and Specialization	Institute	Percentage/Grade
Bachelor of Technology	2011	Electronics & Communication Engineering	Meghnad Saha Institute of Technology, Kolkata, India	8.10
Standard XII/ HSC	2007	Science	Kanailal Vidyamandir, India	77.3
Standard X / SSC	2005	Others	Sri Aurobindo Vidyamandir, India	83.5