

## Contact

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## Top Skills

Data Warehousing  
ETL  
Informatica

## Certifications

AZ-303 Microsoft Azure Architect  
Technologies  
Associate Cloud Engineer  
Certification  
[Google Cloud Skill Badge]  
Introduction to Large Language  
Models  
Microsoft Certified: Azure  
Fundamentals

# Rafikul Islam

Data Architect | Senior Data Engineer | Senior Data Modeler  
Melbourne, Victoria, Australia

## Summary

Rafi brings over 20 years of experience as a Senior BI Consultant, Senior Data Modeler, and Data Architect in information and data management technology. His expertise spans various verticals, including supply chain management, banking, finance, and the public sector.

With a strong technical background in data migration, data integration, and data warehousing, he excels in leading and managing data-oriented projects using the onsite/offshore model. His strengths include exceptional analytical abilities, excellent oral and written communication skills, team leadership, stakeholder management, and a diligent, logical approach to work.

Rafi has extensive multi-cultural experience, having worked with clients in Australia, South Africa, the USA, and India. His technical proficiency includes software design and development using a suite of ETL and reporting tools. With his deep technical knowledge, broad functional experience, and outstanding analytical skills, he is an ideal candidate to bridge the gap between business and technology.

## Core Competencies and Qualification:

- **Extensive Experience:** Over 20 years in technology service practice with Capgemini and Infosys, actively involved in all phases of the software development life cycle, including requirements gathering, analysis, effort estimation, solution design, development, test support, and cutover activities.
- **Data Modelling Expertise:** Proficient in data modeling using Data Vault 2.0, IBM Information Framework (IFW), IBM Banking and Financial Markets Data Warehouse (BFMDW), and Financial Services Logical Data Model (FS-LDM)
- **Data Management:** Proficient in data quality, profiling, standardization, migration, integration, reference data management, data lineage, and process mapping.

- ETL Design and Implementation: Extensive experience with ETL design and implementation across various platforms, including Informatica PowerCenter, IICS, DataStage, and SSIS.
- Business Intelligence: Solid experience with MS BI suites, including SSAS, SSIS, SSRS, and Power BI.
- Cloud Architecture: Strong experience in cloud architecture and implementing solutions using GCP, Microsoft Azure Cloud, and AWS.
- Databricks Lakehouse: Hands-on experience with the Databricks Lakehouse platform.
- Technical Skills: Proficient in Python, SQL, PL/SQL, Unix scripting, SAS, Teradata SQL, and utilities.
- Advanced Tools: Hands-on experience with Apache Spark, Synapse Analytics, and Azure Machine Learning.

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## Experience

### NAB

Senior Data Modeler

April 2025 - Present (11 months)

### Capgemini

Senior Manager

September 2022 - April 2025 (2 years 8 months)

Melbourne, Victoria, Australia

Client: NSW Electoral Commission | Role: Data Migration Architect | Duration: Oct 2024 to Apr 2025

- Designing Solution, Data Migration strategy and approach to support the plan for the Salesforce Data Migration
- Defining Data quality rule and transformation logic
- Creating ETL Framework and Pipeline with Azure
- High-Level Implementation activities.
- Collaboration with stakeholders

Client: NAB | Role: Senior Data Modeler | Duration: Sep 2022 to Sep 2024

- Played lead role in delivering Gold and Silver model based on IBM Banking and Financial Markets Data Warehouse (BFMDW) models in the data lake platform (a Medallion architecture) that enables ML applications, reporting, dashboard and advanced analytics.

- Established modelling Principle, Approach and Standard.
- Built Solution design for ETL/ELT pipeline in Databricks Lakehouse platform.

## Infosys Technologies Ltd

### Technology Architect

October 2015 - September 2022 (7 years)

Sydney, Australia

Client: Westpac

Implemented several Risk Reporting and Analytics solutions for a major Banking firm. Key responsibility includes:

- Played multiple role(Data Modeler, Solution design lead, Data Architect)
- Supported clients in defining and implementing a data journey aligned with their strategic objectives.
- Stakeholders' management
- Requirement analysis
- Data Modeling
- Worked on designing, developing, and implementing data collection, transformation, and data integration solution to create, coordinate and deploy data and analytics solutions
- Data visualization and analysis of large data sets

## Capgemini

10 years

### Senior BI/DW Consultant

February 2010 - August 2015 (5 years 7 months)

Rafi has performed a number of engagements as stated below:

Client: ANZ Bank

# Responsible for conducting workshops & focus interviews to gather requirements and to understand functionality of applications under scope (specifically core banking applications) and how they are connected within the bank's application landscape

# Created conceptual, logical data models and physical data model for applications that interface with each other in enterprise application landscape to present the data exchanged and dependency across various applications.

# Coordinated with Application SME and Test SMEs to identify test data requirements for the application. Identified the customer sensitive information that exist within the application with help from application SME

Client: ABS (Australian Bureau of Statistics)

# Performed a gap analysis and contributed to data modeling for various sub-modules involving physical and logical data modeling (Dimensional modeling / Star schema), query writing and performance tuning.

# Informatica Development and Administration. Developed data mappings and Data Transformation rule. Performed ETL performance tuning and query tuning. Developed Custom Reports & Dashboards for Payroll, HR and Financial module.

Client: NAB

Senior Data Analyst

# Designed and Developed Data Quality process in ETL tool to validate, standardize, cleanse and enrich Source Data

Client: Westpac

# Performed data profiling to understand the data trends and data models on SQL Server, Oracle and Mainframe for various applications.

# Designed ETL framework. Prepared high-level design standards for ETL and consolidated standard performance tuning efforts and best practices. Defined and designed source-to-target mapping, transformation and load processes for populating the data mart, reference, and master data.

Senior BI/DW Consultant

June 2008 - January 2010 (1 year 8 months)

United States

Rafi has performed a number of engagements for major Banking firms based in US. Most significant contribute includes:

- Facilitate workshops with a range of key project stakeholders
- Work closely with business architects, solution architects, solution designers, business analysts, business SMEs and other stakeholders to assess, design and deliver an efficient and effective process solution
- Functional specification development, Solution design, Change management activities
- Data Model creation for various sub-modules involving physical and logical data modeling (Dimensional modeling / Star schema)
- Develop ETL processes/packages based on an ETL Framework
- Deploy scripts for database creation, package creation, reference data population

- Develop Data Warehouse, Data-marts, Cubes and other data related items as per the requirements and specifications of Business Analysts and Architects
- Work closely with Business Analysts and Architect to deliver database level requirements set out through the business requirement and requirement definition documents (BRD and RDD)
- Infrastructure Support, Maintaining the standards, Outages Handling, Environment Monitoring and Load Monitoring

#### Lead Migration Specialist(BI/DW)

June 2006 - May 2008 (2 years)

Durban Area, South Africa

Client: eThekweni Municipality, South Africa

Lead Migration Specialist

Most significant contribute includes:

- Development of migration strategies and solutions.
- Coordinate and manage data collection, data migration, plan, scripts and analysis
- Develop and document 'As Is' and 'To Be' process maps
- Facilitate workshops with a range of key project stakeholders
- Work closely with business architects, solution architects, solution designers, business analysts, business SMEs and other stakeholders to assess, design and deliver an efficient and effective process solution
- Functional specification development, Solution design, Change management activities
- Assist with the creation of migration quality controls and monitor during migration activities.
- Act as escalation point for complex migration queries.

#### BI/DW Consultant

September 2005 - May 2006 (9 months)

Rafi has performed a number of engagements: Most significant contribute was to

- Provide technical leadership at client location for successful project implementation.
- Train client resources for ensuring sustainability and support of the application.
- Coordinate with different business stake holder.
- Lead Migration team, testing and datastage development team.

- Track and Provide weekly Progress reports to weekly progress meeting.
- Receive, Prioritize, Categorize and assign tasks.
- Create and reviewed data model using Erwin modeling tool.
- Gather requirements, identify gaps and design ETL Solution
- Create Data Migration Strategy document and create high level plan for testing activities.
- Profile and Analyze source data using IBM Profile Stage
- Create design documents, program specifications, test case design and test checklists
- Code reviews and test case review of critical components
- Performance tuning of DataStage jobs and Informatica Mapping.
- Create Shell Script to schedule the jobs

### Satyam Computer Pvt Ltd

BI/DW Consultant

March 2005 - July 2005 (5 months)

Rafi's role for the engagement was to

Work on developing of jobs, reusable transformations, scheduling and monitoring scheduled jobs. Developed, maintained and tested ETL program according to detailed technical, functional and non-functional specifications

### NIC(National Informatic center)

Software Developer

January 2001 - February 2002 (1 year 2 months)

Rafi's role for the engagement was to

- Analysis and Designing document
- Create Database, stored Procedure, Triggers, Views, Cursor
- Design and developing several User interface Screens
- Generate Reports

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## Education

MCA, Computer Science · (1998 - 2001)

B.Sc, Mathematics · (1995 - 1998)