

# Bijjol Rambhia Kiran

DATA/INFORMATION ARCHITECT

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## Summary

Highly accomplished and collaborative Data / Information Architect with 14+ years of experience. Proficient in cloud technologies, data modeling, governance, and warehouse design. Skilled in crafting data strategies, promoting literacy, and delivering innovative solutions. Adept at ensuring data integrity, compliance, and driving business growth through efficient architectures. Strong communicator bridging the technical divide, fostering teamwork, and cultivating strong relationships with stakeholders.

## Skills

Data Architecture	• Data Governance	• Data Catalog	• Data Literacy
Data Modeling	• Data Integration	• Data Warehousing	• Standards & Best Practices
Data Mesh	• Data Fabric	• Data Lake	• Natural Language Programming
Cloud technologies (Azure)	• Erwin Data Modeling	• Metadata Management	• Info. Lifecycle Management
Leadership	• Presentations	• Listening	• Influencing

## Highlights

- **Information Ecosystem** - Played a pivotal role in formulating and executing a comprehensive strategy for the development and implementation of essential components within the Information Ecosystem. Key contributions included the design and deployment of critical building blocks such as the **Operational Data Store (ODS)**, **Data Warehouse**, **Data Lake**, and **Natural Language Processing (NLP)**.
- **Natural Language Processing** - Designed and implemented a cutting-edge Data Lake infrastructure on **Microsoft Azure**, evaluating and using Azure Data Bricks, Azure Blob Storage, Azure Logic App, Tesseract OCR, and IQVIA NLP tool. Effectively harnessed the power of NLP to process vast volumes of medical documents, enabling the extraction of crucial data for creating comprehensive patient profiles and analyzing social determinants of health.
- **Data Architecture** - Successfully designed and implemented a data architecture strategy that encompassed the entire enterprise, establishing a solid foundation for efficient data management.
- **Data Governance** - Led the implementation of a centralized data catalog, working closely with stakeholders to establish a unified repository of data assets. Defined data ownership and stewardship roles, assigning clear responsibilities for data management, integrity, and accountability. Empowered data owners and stewards to actively govern data assets, ensuring consistent and accurate information across the organization.
- **Data Literacy** - Championed data literacy within the organization by crafting a comprehensive learning plan and defining achievable goals for employees across different departments. Conducted engaging presentations in collaboration with subject matter experts, fostering a deeper understanding of data concepts and tools. Empowered the workforce to make informed decisions and leverage data effectively in their roles, leading to improved data-driven outcomes throughout the organization.
- **Metadata Management** - Spearheaded the establishment of a comprehensive metadata management framework from inception to successful implementation. Orchestrated a strategic approach, adeptly communicating its significance across all levels of the organization. Evaluated multiple vendors and skillfully oversaw the seamless integration of the selected solution, resulting in a substantial surge in tool adoption and data utilization.
- **Information Lifecycle Management** - Drove the successful implementation of an Information Lifecycle Management (ILM) strategy, providing invaluable guidance on selecting appropriate systems for different use cases in the information ecosystem. Resultantly, for first opportunity achieved a remarkable *96% reduction in data volume within the transactional system*. Effectively transformed and stored data in an optimized manner, utilizing Operational Data Store (ODS) and Data Warehouse, ensuring seamless access and data integrity.
- **Stretched into Enterprise Architect role** - Crafted a strategic roadmap for *Enterprise Monitoring*, currently leading the implementation efforts to enhance the organization's monitoring capabilities and ensure proactive identification of potential issues.

## Award

Healthesystems

CORE AWARD: QUALITY

Florida, USA

2016

# Experience

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## Healthsystems

Florida, USA

INFORMATION ARCHITECT

June 2019 - Present

- Played a pivotal role in facilitating an information-centric perspective at Healthsystems
  - Spearheaded the establishment and execution of a comprehensive process for Metadata Management System, ensuring the accurate and efficient handling of critical data attributes.
  - Developed and implemented a robust framework to construct our Information Value Chain, effectively leveraging data resources to drive organizational growth.
  - Crafted a strategic roadmap for Information Lifecycle Management, streamlining the handling and governance of information assets throughout their lifecycle.
- Collaborated closely with governance stakeholders to define and implement data and information management processes, fostering enhanced control and oversight.
- Actively engaged with business units to construct Business Process Flows, enabling a systematic understanding of operational workflows and identifying areas for optimization.
- Played an instrumental part in establishing a comprehensive Data Literacy program, empowering analytics teams and other relevant groups with the necessary skills and knowledge to derive actionable insights from data.
- Demonstrated versatility by assuming an expanded role in Enterprise Architecture, collaborating with EA to shape an effective Enterprise Monitoring strategy.

## Healthsystems

Florida, USA

SENIOR DATA ARCHITECT

Aug. 2015 - June 2019

- Played an integral role in shaping the future of Data Architecture at Healthsystems through strategic planning and foresight.
  - Designed and implemented robust processes for key data architecture capabilities, including Data Modeling, Master and Reference Data Management, Operational Data Store, and Data Lakes, ensuring optimal data organization and accessibility.
  - Conducted comprehensive training sessions across the organization, equipping employees with a deep understanding of the fundamental aspects of Data Architecture, including the "What/Why/When/How/Who" framework.
  - Facilitated training programs focused on various data modeling techniques, encompassing conceptual, logical, and physical models, enabling teams to effectively structure and represent data assets in alignment with business requirements.

## Smart Source USA

Florida, USA

PRINCIPAL CONSULTANT

Mar 2015 - Aug. 2015

- Led initiatives to establish and enhance the online presence of companies, leveraging digital strategies to expand brand reach and visibility.
- Orchestrated process optimization efforts across multiple areas, resulting in streamlined workflows and improved operational efficiency.
  - Implemented a CRM tool for the sales team, enabling effective customer relationship management and enhancing sales performance.
  - Introduced a task management tool to centralize and optimize task allocation, tracking, and collaboration, fostering increased productivity and accountability.
- Acquired valuable expertise and credentials by successfully completing training and certification in Birst cloud BI, equipping oneself with advanced knowledge and skills in cloud-based business intelligence solutions.

## Healthsystems

Tampa, USA

DATA ARCHITECT

Sept 2011 - Mar 2015

- Demonstrated proficiency in logical and physical database design, employing effective modeling techniques and overseeing the implementation of robust database structures.
- Collaborated closely with developers, business analysts, and quality assurance teams to validate and refine data designs, fostering seamless integration and alignment with project requirements.
- Leveraged Erwin Data Modeler in conjunction with SQL Server to drive efficient and effective data modeling and management processes.
- Implemented automated script generation capabilities to expedite the implementation process for new customers, enabling rapid and accurate deployment of database solutions.

## Healthsystems

Florida, USA

SOFTWARE ENGINEER

Jan 2009 - Sept 2011

- Implemented MVC type of architecture using Struts 2 framework.

## Multywave

SOFTWARE ENGINEER

Hyderabad, India

May 2007 - Dec 2007

- Have followed iterative software development methodology.
- Involved in user requirements and frameworks design. Designed Use Case and Sequence Diagrams according to UML standards using Rational Rose.
- Used Java 6, Struts

## GNEC

SOFTWARE ENGINEER

Hyderabad, India

Aug 2006 - May 2007

- Developed front end screens using HTML, DHTML (using dreamweaver), CSS, Javascripts, AJAX, DOJO and Prototype.
- Solved cross browser issues for different browser.
- Used Photoshop for image editing, and Flash for animation.
- Designed Client side validations using JavaScript in HTML, DHTML and XHTML.
- Used Java, JSP, Servlets.

## Education

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### Gurunanak Engineering College

BACHELORS IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

India

2006