Karthikeyan R K

Enterprise Data Architect | Technologist

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Enterprise Data Architect in building and delivering projects which includes
- Agile Methodologies
- Business Development
- Client Engagements
- Project Planning, Execution& Delivery
- Vendor Management

BI Architect with responsibilities
- Architectural Design
- Implementation
- Governance of Enterprise Data projects

Solution Architect with strong analytical and modeling skills
- Domain Modelling
- Process Modelling
- Implementation Strategy
- Solution Architecture, Design & Delivery

Technologist with hands-on architecture and development skills:
- Cross-Platform exposure
- Emphasizes on reusability and simplicity
- Good in technology stack selection
- Hands-on Knowledge in cutting edge promising technologies
- Often evaluate new technologies & Open source

EDUCATION

- B-Tech (IT), Anna University, India

CAREER SUMMARY

Enterprise Data Architect with **18+ years of experience** in Design and Implementation of data architectural patterns with hands-on deep knowledge of the technology, tools, processes and governance policies.

- Handling **Data Lake Solution in Microsoft Azure / Google Cloud platform** for Qatar Airways.

- Unified Delivery Model with Blueprints, Accelerators & Interoperability.

- Provide **Solution Architecture** and **Data Product Architecture** support for product teams

- Enforcing SLA Definitions, Development standards & guidelines

- Align the Data solution to the enterprise **cyber security** standards and guidelines

- Build the Automated framework with the **Data API** for Data Products

- Ensure the **Data Governance** in all the Data projects

- Provided the **Generic ETL Solution** across all the Data Projects

- Delivered the projects and Products as **Data as a Service**

- Provide the framework for **DevOps** and **MLOps**

- Resource Provisioning and building the Data teams for Data Projects

- Good understanding of multiple domains which supports airline Industry.

- In addition to the project execution and delivery, responsible for exploring new technical strategies, business use cases & R&D.

- Strong people management, team development and mentoring skills with experience working in a multi-cultural environment.

DOMAIN EXPOSURE

❖ Airline	❖ Cargo & Logistics	❖ Retail & Duty Free
❖ Finance	❖ Ground Services	❖ Loyalty Programs

TECHNICAL SKILLS

Data Integration
- Apache Nifi
- Azure Data Factory
- Informatica
- Pentaho-Kettle
- Spark-Streaming
- Sqoop
- Striim & Streamsets

Data Base / Storage
- Azure Databricks
- Elastic search
- Hadoop
- Mysql
- Oracle
- Postgres & Hyper Scale
- SQL Server
- Snowflake

Data Visualization
- Crystal / Jasper Reports
- Microsoft BI Stack
- MS Power BI
- Tableau
- SAP Design Studio

Data Semantic
- Dremio
- SAP Business Objects

Data Catalog
- Azure Catalog
- Unity Catalog

Data Curation
- Spark

Data Science
- Anaconda

Data Security & Compliance
- GDPR
- ISO 27001 & PCI DSS

Programming
- Python

PROFESSIONAL EXPERIENCE

Manager Data Engineering - Data Analytics
Qatar Airways | Doha, Qatar | June 2012 – Present

- Managing Data Analytics program delivery across Qatar Airways Group (QDF, Ground Services, Commercial).
- Manage Architecture, Tools & Technology for enterprise which includes landscape technical leadership & reviews, Establish standards, guidelines & best practices.
- Building enterprise Data Products and design Architecture patterns for Analytics. Assure well defined Cost and Data governance framework applied to the enterprise data solutions.
- Key Objective is to Enable Business Users to take data driven decisions by enabling self-service analytical solutions.

Senior Software Engineer - Database Architect
Emirates Group IT, Dubai, UAE | Oct 2008 – May 2012

- SkyChain is a fully integrated air cargo management solution, which frees cargo airlines from the restrictive ties of traditional legacy systems.
- The solution comprehensively manages every aspect of an air cargo business, from sales and reservations, pricing, capacity management and cargo operations, through to shipment handling, tracking and tracing, and supply chain management.
- My role was Senior Database Architect with a team of 7 members for multiple airline implementations.

System Analyst - Database Architect
Ramco Systems, Chennai, India| Dec 2007 – Oct 2008

- Adani logistics to manage their operations worldwide logistics.
- Core functionalities are cargo handling, shipment billing, gate operations and warehouse management.
- My role was Database Architect managing 4-members team.

Software Engineer - Developer
Broadline Systems, Chennai, India | Apr 2005 – Dec 2007

- Designed and developed bespoke Counselling System for Merit list, maintaining seat vacancies for the students, course and the college allotment, college transfer, automatic displays and other major features.
- My role as a team player delivered ERP Application using Vb.net.