

## KAKANURU RAVIKUMAR

A competent professional with over 15+ years of experience, targeting for challenging & rewarding opportunities as **Architect in Azure/MSBI/SQL Server** with an organization of repute

Location Preference: **India, Malaysia, Singapore, US, UK and Canada**



### PROFILE SUMMARY

- **Experience of** Azure Cloud services usage like Azure Data Factory, Azure Synapse Analytics, Azure Databricks, Azure SQL Database, Storage Accounts (Azure Blobs, Azure Data Lake Storage Gen2), Azure VMs, Logic Apps and Azure DEVOPS.
- **Experience in** Microsoft SQL Server, MSBI (SQL Server Integration Services/SSIS, SQL Server Reporting Services/SSRS, and SQL Server Analysis Services/SSAS), Tabular Model, SSDT, Power BI, data warehouse load process, and analytics database.
- **Created complex** DTS Packages for Data Migration and Transformation (ETL); worked on data migration from Oracle/MySQL/Sybase/Excel to SQL Server 2016 using Data & Control Flow Tasks, Configuration Files, Checkpoints, Log Providers, Event Handling, BCP, Bulk Insert, Dynamic Packages/Tasks, Message Queuing and CDC Components.
- **Experience knowledge of** SQL Server administrative tools including SQL Server Management Studio, SQL Profiler, Performance Monitor, SQL Server Agent, Database Mails and SQLCmd Utilities.
- **Consummate in** T-SQL Programming skills, Error Management, Debugging SQL, Job Scheduling, Performance Tuning, DAX Queries, Dashboards, CTE, Dynamic SQL Queries, Reports, Joins, Union, and Cursors.
- **Hands-on experience in** creating SQL objects like Tables, Stored Procedures, Views, Indexes, Triggers, Schemas, Keys, Constraints, Data Types and Functions.
- **Proficiency in** Business Intelligence/Data Warehouse environment/Analytics with involvement in design, development, implementation, deployment, troubleshooting and support of ETL process using SQL Server Integration Services (SSIS)/ ADF.
- **Knowledgeable in** Power Platform, Dataverse, Dynamics 365, Snowflake, Salesforce, Python, VBA Macros, JavaScript, HTML and XML, PL/SQL, MySQL, DB2 and SQL Anywhere.
- **Experience in** Agile software development methodologies, Data Modeling, Database Design, Database creation and Maintenance, Troubleshooting, Normalization, managing SQL Database project through VS IDE.
- **Participation in** discussions involving the application creation, understanding the requirements, provides the back-end functionality for the applications, monitoring the performance of team members to ensure efficiency in process operations.
- **Hands-on experience** developing, managing high volume/large scale database structures for highly transactional/ BI purposes
- **Excellent communication** and collaboration skills, high self-motivation levels and demonstrated technical leadership.



### EDUCATION/ CERTIFICATIONS

- BCA from A.E.R. Degree College, Sri Venkateswara University, Tirupati in 2003 with 73%
- 12th from S.V.A. Govt. Jr. College, Srikalahasti, Location in 2000 with 73%
- 10th from Z.P.P. Boys High School, Srikalahasti, Location in 1998 with 79%
- **Microsoft® Certified Azure Data Engineer Associate:** Data Engineering on Microsoft Azure with 72%
- **Microsoft® Certified Solutions Expert:** Data Management & Analytics with 75.4%
- **Microsoft® Certified Solutions Associate:** SQL 2016 Database Development(Charter Member) with 82%
- **IBM Data Science Professional Certificate** on Coursera with 95%



### CORE COMPETENCIES

**Project Planning & Management**

**Team Management & Reporting**

**Design, Development & Maintenance**

**Agile Methodologies (JIRA/ Zendesk)**

**Performance Tuning & Troubleshooting**

**Database Modelling and ETL**

**Microsoft SQL Server 2019**

**SQL Server Integration Services**

**SQL Server Reporting Services**

**Microsoft Azure Services**

**MSBI/ Power BI/ SAP BI**

**Python/ VB.Net/ VB6.0 / VBA**



### SOFT SKILLS



**Change Agent**



**Motivational Leader**



**Strategic Thinker**



**Collaborator**

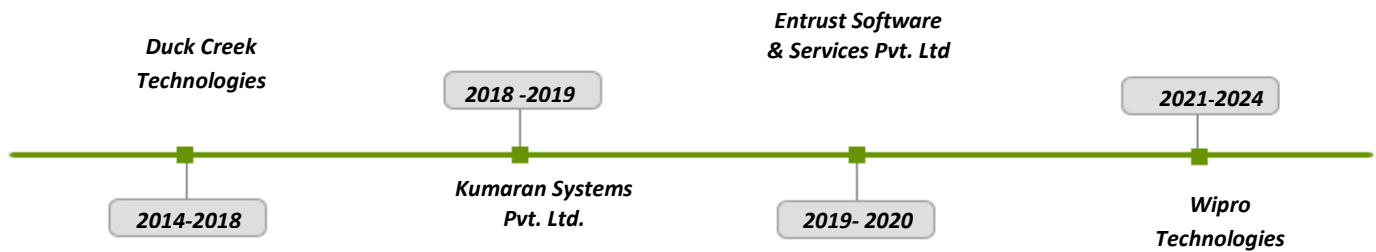


**Communicator**



**Innovator**

## CAREER TIMELINE



## WORK EXPERIENCE

**Nov'21-Till Date with Wipro Technologies., Hyderabad as Sr. Data Engineer (On Future Focus Payroll)**

**Environment:** Azure ADF, Synapse Analytics, SQL Server 2019, T-SQL, SSIS, Kingsway Soft Tool, Dataverse and Power BI

### **Key Result Areas:**

- Interacting with clients for getting requirements, preparing estimates for project plan and ensuring the timely completion of projects; analyzing & designing of the project requirements, various modules, and their functionality
- Spearheading a team of 10 people, and motivating them in order to achieve their performance metrics
- Assisting team in the development of tickets & updating the status to client on daily basis; coordinating with testing team and other teams for fixing bugs
- Designing & developing databases, stored procedures, indexes and constraints, view, UDFs, tables and inserting table data using scripts
- Developing the ADF pipeline to transforming the unrefined data to the refined and copying the data to the data warehouse.
- Extensively working in data Extraction, Transformation and Loading from source to target system using SQL Server integration Services (SSIS).
- Creating and Maintaining Synapse Data Warehouse, linking with Dataverse for using in Power BI.
- Designed and developed SSRS reports for CRM and developed dynamic SSRS reports and imported RDL files in CRM.
- Mentoring & monitoring the performance of team members to ensure efficiency in process operations
- Worked on proof of concepts on new technologies to convert a project proposal into a project in hand
- Implementing project plans within preset budgets and deadlines
- Performing onsite and offsite tasks within a project, including the design, specification & integration of products/ services
- Participating in meetings, conducting release readiness reviews, milestone reviews, and business go/no-go reviews and maintaining release repository
- Develop technical presentations & proposals, & perform customer presentations
- Showcasing excellence in delivering analytical and technical solutions in accordance with the customer requirements
- Working closely with Client and Stakeholders for approval and monitoring project progress
- Capturing As-Is, To-Be process, preparing functional specifications, business blueprint document, analyzing the gaps and preparing functional & technical designs
- Providing post-implementation, application maintenance, and enhancement support to the client with regard to the product/software application

## PREVIOUS EXPERIENCE

**May'19-Mar'20 with Entrust Software & Services Pvt. Ltd., Chennai as Project Lead**

**Environment:** Azure ADF, Synapse Analytics, SQL Server 2014, T-SQL, SSIS, SSRS, VBA and SAP Crystal Reports.

**Feb'18- May'19 with Kumaran Systems., Chennai as Technical Consultant**

**Environments :** SQL Server 2014, T-SQL, Visual Basic 6.0, Crystal Reports 8.0, SSRS, VB.Net, SSIS, SAP Business Objects 4.2

**Mar'14- Jan'18 with Datedec Chennai Pvt. Ltd., Chennai as Sr. Software Engineer**

**Environment:** SQL Server 2014, SSIS, SSRS, .Net Framework 4.0, TFS, IIS 8.5, Ajax, JavaScript

**Feb'12- Dec'13 with Computer Sciences Corporation, Chennai as Sr. Software Engineer(On QCAD Payroll)**

**Environment :** MS SQL Server 2008R2, Visual Basic 6.0, T-SQL, DTS, Visual Source Safe 6.0, Sybase, Windows 2003 Server

**Jan'08- Jan'12 with KARVY Computershare Private Limited., Hyderabad as Senior Analyst**

**Environment :** MS SQL Server 2005,T-SQL, Sybase, DTS, Visual Basic 6.0, Visual Source Safe 6.0, Windows 2003 Server

**Aug'06- Dec'07 with Kohinoor Technologies, Hyderabad as Software Developer**

**Environment:** MS SQL Server 2000, T-SQL, DTS, Microsoft Visual Source Safe 6.0, Visual Basic 6.0, Crystal Reports 8.0,Windows 2000

## PROJECTS UNDERTAKEN

### **Project Name:** FIJI

**Client:** HP

**Environment:** Azure ADF, Synapse Analytics, SQL Server 2019, T-SQL, SSIS, Kingsway Soft Tool, Dataverse and Power BI

**Team Size:** 8

**Role:** Sr. Data Engineer

**Period:** Nov 2021 to Feb 2024

**Description:** HP has a decade old legacy system named Everest, which is used as an internal business application that interacts with sales-support, engineering teams and factories, by the Configuration Services-Supply Chain organization. The application is designed to help HP manage all customized PC hardware and/or Service configurations. A second asset CD Online (CDO), is an existing internal/external facing portal that is also included in this modernization effort. With the Fiji project, HP is looking to replace both assets into one holistic Microsoft D365 CRM/Microsoft Power Platform and deliver a superlative customer/user experience.

#### **Responsibilities:**

- Should be responsible for handling the entire BI system and focuses on leveraging MSBI for smart, real-time decisions
- Writing complex Database Queries, Stored Procedures, Triggers, Views, and Functions using MS SQL Server, Query Tuning and Performance Optimization.
- Database Design and development with Business Intelligence using SQL Server 2014/2016, Integration Services (SSIS), DTS Packages, SQL Server Analysis Services (SSAS), and SSRS.
- Builds data transformations with SSIS including importing data from files, moving data from one database platform to another
- Analyze and develop strategies and approaches to import and transfer data between source, staging, and ODS/Data Warehouse destinations
- Assist PM in planning and driving low level project tasks
- Create/maintain design related artifacts data models , Mapping documents, architecture diagrams, data flow diagrams
- Support system and acceptance testing including the development or refinement of test plans
- Develop ETL/DW best practices and participate as a reviewer and contributor in requirement, design and code reviews
- Debug critical technical issues and provide prompt resolutions.
- Lead ETL practice members in executing various practice initiatives.
- Highlight technical issues and challenges and propose creative solutions to clients and senior management.
- Create/maintain design related artifacts data models , Mapping documents, architecture diagrams, data flow diagrams
- Work closely with business analysts and solution architects to implement best-of-class SSIS ETL solutions
- Working on Azure Cloud Technology like Azure Data Factory, Azure Mapping Dataflow, Azure Sql DB, Azure Synapse Analytics, Azure Databricks, Azure Data Lake Gen2, Storage Accounts and Power BI.
- Creating ADF Pipelines and SSIS Packages for migrating the data from multiple source systems
- Creating ER Diagrams in Lucid Charts and Designing the Tabular Data Model with Facts, Dimensions and Relationships.
- Mentoring and assisting the team in troubleshooting technical issues, code reviews and best practices.
- Creating and configuring the Azure Services like ADLS, Synapse Workspace, VMs and Data Factories.
- Designing Power BI reports and dashboards.

### **Project Name:** Archive Cancelled Policies

**Client:** GEICO

**Environment:** SQL Server, Azure Data Factory (ADF), Synapse Analytics, Azure DEVOPS, Power BI and Mainframes.

**Team Size:** 7

**Role:** Database Engineer – Entrust Software Services Pvt. Ltd.

**Period:** Nov 2019 to Feb 2020

**Description:** Its completely a data migration project where policies that are over 6 months old without earned premium and policies that are older than 2018 with earned premium are being/needs to be archived into cold storage. Source data (BLOB) which is from Mainframes is imported into SQL Server VM after validating the data in Staging. This involves Azure ADF pipelines to transfer the 20 TB of data between mainframes and Azure SQL Server. Building DB schemas, transferring the large data, data validation, reconciliation and performance tuning are the key essential part of this project.

#### **Responsibilities:**

- Handled assignments related to analysis, design and development of custom solutions/applications using Azure services like ADF, Azure Blobs, Azure Data Lake Storage Gen2, Azure SQL Database, and Azure Synapse Analytics.
- Design and development of data pipelines using Azure Data Factory for moving and transforming the data.
- Done validations for mandatory fields, data formats and data integrity using lookups
- Worked on Azure Data Lake Store to capture data of any size, type, and ingestion speed in one single place for different operations.
- Developed SSIS packages to Migrate data to staging server and then to production server.
- Interaction with Client and product teams for the requirement gathering.
- Creation of project plan and setup of Azure DEVOPS dashboard for project sprints.
- Design and implementation of data model for the data warehouse.

- Other roles- setup meetings with different teams, driving sprint meetings like daily stand-up, swarming sessions, product demos.

**Project Name: FUSION**

**Client:** GoEasy

**Environment:** SQL Server, Azure Data Factory (ADF), Salesforce, Snowflake, SSIS, DBSync, SSRS and Azure DEVOPs.

**Team Size:** 7

**Role:** Database Engineer – Entrust Software Services Pvt. Ltd.

**Period:** Jun 2019 to Oct 2019

**Description:** GoEasy Fusion project is planned for transitioning from the existing Originate (LAMS), Loan Contract Management system (Wealth View) and Collection to Q2-CLS product. This involves the migration of the data from existing system to the new system. Migrating the data from existing salesforce application system to the new CLS system involves creating SQL Server databases for LAMS and CLS, creating database schema for CLS, importing LAMS Salesforce to SQL Server, preparing Data Model for CLS, transferring the data from LAMS to CLS Database, adding external Keys for reference, export the CLS Data into CSV Output Files and finally uploading the CSV files into CLS System.

**Responsibilities:**

- Getting the requirements from client and actively participating in daily scrum calls.
- Creating Data model for the SQL databases including referential integrity between tables.
- Tuning performance of complex stored procedures and scheduling/ monitoring SQL agent jobs.
- Designing & developing databases, stored procedures, indexes and constraints, view, UDFs, tables and inserting table data using scripts.
- Creating & deploying SSIS packages and designing SSRS Reports.
- Migrating data from Salesforce to SQL Server using ADF.
- Closely monitoring and mentoring team members and assigning tasks to them.
- Working on code reviews and ensuring the project deliveries on time.

**Project Name: PDDA**

**Client:** Honda – North America

**Environment:** SQL Server, SSIS, SSRS, Z/Os, Spring Rest, Hibernate, Struts 1.2, JBoss Fuse, WebSphere, COBOL, JCL, DB2, Power BI

**Team Size:** 12

**Period:** Mar 2018 to Apr 2019

**Role:** Technical Consultant – Kumaran Systems

**Description:** PDDA (Process Data Development &Analysis) is an in-house developed custom application that currently utilizes Java for the UI, COBOL/DB2 for the Database/Batch process and SQL server for image processing. The scope of the project is Migrate the entire PDDA Mainframe Batch Processing to Spring Batch under Linux, Migrate Mainframe DB2 to LUW DB2 under Linux, Migrate the images from SQL Server database to NAS file system using SSIS and Optimize the PDDA database by implementing indexing, partitioning and restructuring to meet performance requirements.

**Responsibilities:**

- Interacted with the client to understand the project and finalized its scope
- Troubleshoot software and hardware issues
- Created databases, stored procedures, indexes and constraints, view, UDFs, tables and inserting table data using scripts
- Developed SSIS Packages for generating invoice/delinquency PDFs and mailing them by using in SQL Agent Jobs, and customized reports using SSRS and deploying them into client-server
- Deployed packages and jobs and prepared the release notes for the same
- Managed backups/restore and maintaining the project databases
- Fixed bugs and closed the JIRA tickets in time
- Wrote deployment scripts using PowerShell and working on BRDs and HLR Documents

**Project Name: Deductible Management System**

**Client:** Admiral Insurance Company

**Environment:** SQL Server 2014, SSIS, SSRS, SSAS, MDX, TFS, T-SQL, JavaScript, IBM FileNet, PowerShell

**Team Size:** 10

**Period:** Feb2016 to Jan 2018

**Role:** Database Developer – DuckCreek Technologies

**Description:** The deductible management system is used to adjust, calculate and generate invoices to bill the insureds. The deductibles are calculated based on insured policy and the Insurance claim. Using this system admin can able to waive, void and write-Off a claim. This system also contains report section where admin can generate and view reports based on transactions.

**Project Name: Cede Right**

**Client:** Caterpillar Insurance Services

**Environment:** SQL Server 2014, T-SQL, SSIS, SSRS, .Net Framework 4.0, Crystal Reports 2014, JavaScript

**Team Size:** 10

**Period:** Mar 2014 to Jan 2016

**Role:** Database Developer – DuckCreek Technologies

**Description:** CedeRight is a web-based reinsurance system that facilitates administrative process of Ceded Reinsurance. Using this system, companies can automatically identify premiums and losses subject to reinsurance; thereby can maximize its Reinsurance

Recoverable without missing any recoveries. Thus the idea of CedeRight is to make sure that all of those reinsurance transactions are identified and processed correctly.

**Project Name:** Conversion of Legacy Interfaces into PentaSAP Interfaces

**Client:** Chrysler

**Environment:** Visual Basic 6.0, MS SQL Server 2008R2

**Team Size:** 03

**Period:** Feb 2012 to Oct 2013

**Role:** Sr. Programmer – Computer Sciences Corporation.

**Description:** MEDDS is one of the legacy systems, having a connection with Finance and Purchasing Systems - other departments in the organization. These Finance and Purchasing systems are going to be replaced with PentaSAP Interfaces. It involves various UI changes and process changes within the application. There are changes required to project structure and related elements like PO Number format, Requisition Number format, WBS Number format, Sequence id generation, line item approvals, and removal of Charge Unit concept. The ultimate goal is to send the Legacy Requisition number to DB2 Interface and to retrieve the new PentaSAP Requisition Number with corresponding WBS number for Legacy System from DB2 Interface - L.P2P.113\_w2.002. There is a need to retrieve Requisition Status after completion of approval at PentaSAP from DB2 Interface - L.P2P.024.002.

**Project Name:** TASK MF, COMMON TASK MF

**Client:** Mutual Fund Houses (Reliance, UTI, Principal, Religare, LIC)

**Environment:** Visual Basic 6.0, SQL Server 2005

**Team Size:** 08

**Period:** Oct 2010 to Feb 2012

**Role:** Sr. Programmer- Karvy Computer Share Pvt. Ltd.

**Description:** Since its inception in 1982, Karvy has demonstrated a dedication coupled with a dynamism that has inspired trust from various segments, corporate, government bodies and individuals. With Mutual Funds emerging as a distinct asset class, Karvy has made a strategic choice to leverage the power of latest technology to provide a cutting edge to its services. Karvy, today, serves nearly 60% of the asset management companies (AMCs) across an extensive network of service centers with assets under service in excess of Rs. 297516.59 crores. Mutual fund services have been undergoing a sea change in the Indian market place and asset management companies are finding their niche in delivering unique products and service offerings.

## TECHNICAL SKILLS

### DATABASES & REPORTS

- SQL Server 2014, MSBI(SSIS, SSRS and SSAS)
- Power BI, SAP BI
- Azure SQL Server, T-SQL, PL/SQL and MySQL
- SAP SQL Anywhere, DB2

### WEB DESIGNING & REPORTS

- WordPress, HTML, CSS, and XML

### LANGUAGES

- Python
- VB.Net and .Net Framework 4.0
- Visual Basic 6.0, and Excel VBA
- JavaScript

### TOOLS

- ADF, DataLake, JIRA, Zendesk, Azure DEVOPs and TFS