**Kasthuri V Rangan Employer contact:prabhu@vsiiusa.com / 770-872-7576**

**SUMMARY PROFESSIONAL:**

* 9+ years of overall experience in SDLC, Support & Maintenance, SQL Development & DBA tasks
* 3+ years of experience in Azure Technologies (ADF, Data Bricks, Data Lake, Blob Storage)
* 5+ years of work experience in Oracle Database (PL/SQL) & ERP/EBS 11i Modules (AP, PO, GL)
* 5+ years of work experience in .NET, API, 3rd party plug ins
* Exp. working with Agile / Scrum Methodologies (Stories/Backlogs/Sprint Planning & Retrospective / Kanban board)
* Exp. in implementing standards for code/Test/Deployment, Data base design/Modelling & UI Design
* Handled projects that involve Data integration, conversion, migration, transfers, archives, automation, Job scheduling
* Exp. in requirement gathering from stake holders/SMEs & prepare High and Low-level design documents, implementing business rules, setting up the environment for data/process flow
* Experience working in OLTP & OLAP projects, DWH concepts (staging, dimensions & fact tables, Star/Snowflake schema), develop custom Functions/Procedures, T-SQL, PL/SQL, SQL queries, performance tuning (SQL, SSIS)
* Work experience in developing MIS reports using Business Objects XI, Crystal, SSRS
* Microsoft Certified in Visual Basic & SQL Server, Working on certification with Microsoft GEN AI/Power BI/PostgreSQL

**TECHNICAL SKILLS:**

Languages T-SQL, PL/SQL, C#, VB, VB.NET, VBA, Python, Scripting Languages
Technology .NET, API, Web Services, MS-Azure (Containers, Logic Apps, Function App, Data Lake)

ETL Tools SSIS, Azure Data Factory, Azure Synapse
Databases Azure SQL Database, OnPrem SQL Server, Oracle 10g, MS-Access
Case Tools GITS, Atlassian(Confluence, Bitbucket, JIRA), Monarch, ROBO FTP, Visio, Red gate
Reporting Business Objects XI, Web Intelligence, Universes, Crystal Reports, SSRS
DB Utilities Azure Data Lake, Azure Storages, SSMS, Query Analyzer, Visio
Industries Finance, Accounting, Health care, Banking, HR, Data Survey, Courier
Environments OLTP, OLAP, Data Warehousing, Legacy Systems
Others Sales Force, SharePoint, HTML, XML, JSON, MS-Office, Kingsway Soft, BIDS, SSDT, SSMS

**EDUCATION:**

MS - Computer Application, Bharathidasan University, Trichy, TamilNadu, India
BS - Physics, Madras University, Chennai, TamilNadu, India

**Employer: TCS (Tata Consultancy Service) Sr. Database Engineer (May 2023 – Till Date)**

**Client(s): Wintrust Bank / McKesson / Zimmer Biometric (Current)**

# **Description**: TCS is a consulting company having 1000’s of client across the world. My current project I work at is to support, Maintain and monitor day-to-day data transfers, Trouble shooting, Analysis and resolving the issue are part of daily task, The system is designed in dynamic way with parameterization. Most of the changes are fixed by updating values in the back-end tables with very little front-end changes. The ADF pipeline captures relevant data from various sources, performs necessary Validations, transformations based on predefined values and injects the data to staging and finally to the output destination for Reporting needs. In addition, I support other SQL/Data related OLTP/OLAP projects too.

**My Role, Responsibilities and Daily activities in the Team/Project:**

* Monitor periodical Azure ADF pipeline runs and troubleshoots in case of any errors or failures.
* Map input data sources to final output destination that involves source data & business validations, transformations and loading rules
* Prepare and deliver daily report to the management and other teams and monthly incident report
* Perform historical and daily data loads by following Medallion architecture (Bronze, Silver & Gold) based on retention period. Process deals with both incremental and full loads involve extracting external data like Sales Force, data logs are maintained with date & timestamp for every load, all failures are communicated back to the stakeholders through email automation with reason
* Develop, Modify & Maintain SQL Server objects like stored procedures, views, tables, indexes as and when required
* Process improvement and Performance tuning as and when notified or necessary, documenting the incidents
* Coordinate with Off-shore teams to provide 24/7 support to the client
* Attend daily & weekly meetings with the team to discuss project progress, issues, backlogs, roadblocks, deadlines and find resolution
* Environment includes Azure SQL Database / OnPrem SQL Server, Sales Force, Azure Technologies like ADF, Synapse, Storage Accounts, Data Lake Gen1, Data Bricks, Python, SSIS, VB.Net, Visual Studio 2017, SSMS, Share Point

**Employer: Ashley Ellis & Agile**  **Sr. Database Engineer (Oct 2022 – Apr 2023)**

**Client: HD Supply**

**Description**: HD Supply are one of the industrial distributors in North America. The company provides a broad range of products and value-added services to their customers in maintenance, repair operations, infrastructure, power, and specialty construction sectors.

**My Role, Responsibilities and Daily activities in the Team/Project:**

* Design, Develop and Unit test MS-Azure ADF pipelines.
* Creating necessary resources for pipelines to work like ‘Linked Services”, “Datasets”, “Logic Apps.”
* Responsible for database design with Data Lineage process
* Documenting the process and workflow of the pipelines, validations, prerequisites
* Developed error modules to capture and report errors raised during the ETL process.
* All regulatory compliance rules are defined and applied dynamically
* Created alerts and scheduled periodical pipeline executions.
* Monitor daily import/exports and troubleshoot any errors or failures.
* Reengineered SSIS packages for Azure data factory pipelines.
* Involved in CICD migration process between the instances (DEV, TEST, PROD)
* Understanding the source & target data, formats, derived data, create data mapping document.
* Environment includes Azure SQL DB / OnPrem SQL Server, /Azure Technologies like ADF, Storage Accounts, Kingsway Soft, SSMS
* Attend daily team meetings to provide information on status and progress of the project, any issues and mapping tasks and resources

**Employer: J.R. Solutions, Inc.**  **Sr. Database Engineer (Nov 2021 – Aug 2022)**

**Client: Center for Disease Control, Atlanta, GA**

**Description**: Enterprise Data Analytics and Visualization (EDAV) will provide advanced data visualization, data analytics, and data consultation services to the agency. EDAV will serve a suite of tools deployed in Azure that support the analytical and statistical needs for researchers and programs across the agency. EDAV will provide an infrastructure that will allow for the storage of datasets in a secure, centralized location to reduce the IT burden for centers and programs. EDAV platform provides azure services like Azure Data Factory, Azure Synapse database, Azure Databricks, Azure Data Lake Gen2, Power BI, R Studio, Tableau, etc. to all CDC customers with user onboarding, trainings, development, and deployments.

**My Role, Responsibilities and Daily activities in the Team/Project:**

* Monitoring periodical data imports/exports, troubleshooting any errors or failures
* Work on periodical data downloads and publish them to Azure data lake, report, and work on any issues.
* Support Azure SQL database, Azure Synapse and on-prem SQL Servers
* Responsible for understanding source data and formats, create mapping to the destination for data transfers.
* Designed & Implemented SSIS packages to Load data from On-Prem servers to Azure databases.
* Worked on converting/migrating existing SSIS packages to MS-Azure ADF
* Document, Publish and Maintain business workflow process & Data flows under Confluence.
* Environment includes Azure SQL Database, SQL Server 2018, Visual Studio 2017
* Attending meetings to plan and review existing tasks, discuss process improvements areas, roadblocks.
* Help the new team members in their on-boarding process, Work on service desk tickets.
* Assisting business users and cross functional teams in their daily business operations

**Employer: Insight Global Sr. SQL/BI Developer (Aug 2019 – Aug 2021)**

**Client: AT & T, Atlanta, GA**

**Description**: Working in an Multi project environment, Client maintains various applications (.NET, web) for their day-to-day business which involves multiple servers, databases, processes, data movements & reporting. Job involves T-SQL coding, Performance tuning, Trouble shooting, Code reviews, Testing, SSIS Development, Monitor and Maintaining SSIS packages & SQL jobs, Designing Data models.

**My Role, Responsibilities and Daily activities in the Team/Project:**

* Work on tasks assigned which include Design, Development, Testing & deployments in Database/ETL
* Monitoring periodical SQL jobs and troubleshooting failures
* Creating ad-hoc queries to perform mass updates, extract data or to fix data issues.
* Create/Modify technical, Source/Target documentation, workflows for all processes/procedures.
* Conduct periodical team meetings to plan new or review existing tasks, Periodical deployments & reviews.
* Identify, share and implement recommendations on process improvements areas,
* Performance tuning (SSIS Packages, SQL Queries/Procedures)
* Maintain & troubleshoot any issues during the sync process between Sales Force and SQL Server platform.
* Environment includes Azure SQL Database, SQL Server 2016, Visual Studio 2015, SSIS, VB.NE
* Creating secure centralized network locations for storing data with frequencies & fallback procedures

**Employer: Capricorn Systems, Atlanta, GA SQL/BI Developer (Aug 2016 – Jun 2019)**

**Client: Office of Personal Management (OPM), Macon, GA**

**Description**: USA Staffing is a web application used by federal agencies to recruit federal employees. The Application helps HR Manager from creating request to fill a federal vacancy position. It captures details like Vacancy, position description, Pay Plan, Grade, Specialties, Assessments, questionnaire etc... attached to that Vacancy. The vacancy is then posted/published to USA Jobs public website where public/Applicant can log and apply for the Job by entering and answering all the questions etc. and finally submits the job application. The application is then processed, rated, and based on the final score Applicants are selected.

The applicant and vacancy details are periodically downloaded to the USA Staffing Datawarehouse module. The module has three database environments "Staging", "Dimensions" and "Facts" / "DataMart’s". The reporting team accesses the various DataMart’s to fulfill the reporting requirements and for data analytics.

**My Role, Responsibilities and Daily activities in the Team/Project:**

* Involved in Data warehousing project which deals with Source, Staging, Dimensions, Fact & Marts
* Create/Work on Stories/Spikes/Bugs based on Requirements, Business rules & Acceptance criteria.
* Develop/Modify SQL Queries/Procedures/SSIS packages/SQL Jobs, work on data mapping, integrities.
* Schedule/Maintain/Monitor periodical SQL jobs/packages, troubleshooting failures.
* Perform Database/SSIS deployments, code reviews, Testing (Smoke, Functional)
* Create/Maintain technical documentation for dataflows/process and publish under share point.
* Contributing to setting up technical standards/best practices for Development/testing/deployment
* Environment SQL Server 2016, SSIS, TFS, Visual Studio, SharePoint, Pragmatic components, VB.NET

Employer: NORTHROP GRUMMAN SQL Consultant (Jun2002 – Jun-2016)

**Client: Center for Disease Control (CDC), Financial Management Office (FMO), Atlanta, GA**

**My Role, Responsibilities and Daily activities in the Team/Project:**

* Multi project environment includes VB.NET, SQLServer2008, ROBOFTP, BO Enterprise XI-R2/3.1Oracle 11i E-Business Suite (GL, AP, PO), Oracle 11g, PL/SQL, Toad 9.x, WEBi 3.1, Monarch Data Pump 10.5
* Responsibility includes support, maintenance and monitoring of all existing applications, databases, objects, SQL jobs, Monarch/Windows schedules, reports, & I/O processes.
* Handling service desk tickets and delivering Periodical reports to users, customers, and management team.
* Daily Monitoring of FTP/SQL/Monarch Jobs and ensure deliveries to various departments and individuals.
* Additional support during Month end/Quarterly/Year end/Audit activities & requirements
* Developed Oracle SQL queries to extract business data from Oracle Financial modules AP, AR, PO & GL
* Developed Preprocess validation procedures for interfaces interacting with oracle production database.
* Developed FTP scripts, run under Windows scheduler to download the data sent by other systems.
* Developed Monarch data models and data pumps to massage incoming data and prepare for SQL upload.
* Developed Business objects universes, reports & schedule report instances for the stakeholders.
* Maintained POC, Lookup data, data logs, coordinating with data providers & periodical meetings.
* Understanding business requirements and translating them into functional and technical design documents
* Designed, Developed & implemented web-based intranet and client server application.
* Played multiple roles Daily monitor & Maintenance of SQL jobs, Design, Develop, Test and Deploy SSIS Packages, Implement, Maintain, Schedule, Monitor & troubleshoot SQL Jobs, SSIS Packages