**Swarnalatha – Technical Specialist ( Data Engineer)**
Email: swarnalathak88@gmail.com Mobile:+91-9790998442

-----------------------------------------------------------------------------------------------------------------------------------

**Profile summary:**
- Data Engineer(6 years) / SQL Database Developer /Administrator (7 years) since July 2010 in Microsoft SQL Server and related technology – Oliverwyman, Accenture India services Pvt Ltd
- Received European patent and Accenture Inventor Award in the year 2013.
- Having UK Onshore work Experience for 7 months in the year 2015.
- Having 2 Years experience with database design and modelling
- Having 7 Years experience with database administration and security

**Work Experience:**
**Oliverwyman ( 5 years)**
Technical Product Consulting Specialist ( Software Engineer) Feb 2021 -Sep 2023
Technical Product Consulting Analyst ( Consultant) Feb 2018 - Feb 2021
**Microland ( 1 year)**
Technical Specialist ( Lead Engineer) - Nov 2016 - Feb 2018

**Accenture Services Pvt Ltd ( 7 years)**
Software Engineer Senior Analyst sep 2013 - Nov 2016
      HPE | India Nov 2015- Nov 2016 ( Client Onsite)
      Cofunds, UK ( Client Onsite) Dec 2014 - July 2015
Software Engineer Analyst Jan 2012 - Sep 2013
Associate Software Engineer July 2010 - Jan 2012

**Oliver Wyman Job Experience :**
 **Duration:** Jan 2017 – Sep 2023
As Technical Product Consulting Analyst / Specialist ( OW Digital Product Engineering Sustaining Team) for 6.5 years SQL Data Engineer role.
**Client: Retail** Performance Food Group US, Cathay pacific Airways,Oliver Wyman US, Bluesmith UK, WalGreens US, Sonae MC, US Healthcare, Michaels Retails) , Argos UK, Sainsbury UK, Co-op UK, Financial services Culture Board Uk
Project Role and Description:

Core activities competencies
- To provide both technical and client support , development enhancements for OW Digital solutions that are running in a production or Workbench environment,performing below Data warehouse activities to assist Data Analytics.
- ELT Data load using BULK Insert( MUZL framework , DECANT framework), split huge Datafiles using SQL CLR procs, cmd shell, powershell scripts. Monitor Daily data flow. ( FTP server to SQL DB and Blob /S3 Bucket) and process workflows. Airflow setup and monitor.
- Database performance tuning, SQL Code refactoring, Code review TSQL, and including performance optimization ( Index maintenance, statistics). Reduce Tempdb data processing.

- Monitor and troubleshoot data feeds and batch processes, coordinating with clients in case of issues.
- Database administration like Sql server installation, backups, database sizes, data access management.
  Active directory user management, User and permissions management, including web app and Windows(Active directory, FTP), Sql instance access.
- Support daily monitoring of Azure Data Factory, Azure Pipeline ETL process, Enhancements on PowerBi and AWS Quicksight reports ( 6 months)
- Octopus database deployment setup for sql instances on Azure and AWS EC2. (1 year)
- New project environment setup including databases, service accounts, and IIS processes where required. Also submit Terraform ( Container Hosting ) and
- User setup and permissions management Github, Slack, HipChat, SVN, and Bitbucket, Atlassian JIRA/ Confluence and Operational Tool Support
- 24*7 Production Support Ensure production database servers and websites are available to end users. (Healthcheck ; 24*7 site monitoring tool) , ( Azure / AWS Portal - 6 months)
- Update Excel Macros Tools as per new logic change. ( OW Ark tool- Analytics, reporting Tool) Configuration of Excel – sql server connection string. Update SQL collation and Retest.

**Microland Job Experience:**
**Technical Specialist ( Lead) Nov 2016 - Jan 2017**
Client :IDEA / BookMyShow AXIEO, Australia

- Production 24* 7 monitoring, ETL support. Performance tuning for stored procedures.
- Ensuring high availability of the database exploiting the concepts of Clustering, Database Mirroring and log shipping etc.
- Troubleshooting connectivity issues of SQL Server (18456 error).Performing Health Checks of all the servers in the Production Environment.
- Responsible for improving the Server performance and SQL server optimization.
- Creation of Logins, Users and giving appropriate permissions as per request.
- Managing Scheduled tasks for the servers and also automating all maintenance activities.
- Daily Database Backup checks. Recovering the databases from backup in case of disasters.
- Monitoring the event logs and server error logs for troubleshooting. Reviewing Server Agent Error Logs.
- On call, 24X7 support to databases on weekly rotation.

**Accenture Job Experience**

**Client:** HP, EMEA (Client Onsite within India)
**Project: Propel Tool**                    **Project Duration:** Dec 2015– Nov2016

**Standard Role:** Senior Database Developer (Software Engineering Sr. Analyst)
**Project Role and Description:**
The application is Request management tool for HP Employees. The tool is built using MVC architecture, Entity Framework, Sql server 2014. I also production incident management for 3 other applications. My role is to analyse the database and improve performance of application. Code Refactoring and performance tuning using DMV, query standards. Create Functional Developer testing sql script and Design functional test scenario Excel on performance confirmation.

---

**Client:** APRA AMCOS Australia
**Project:** ERP Transformation                    **Project Duration:** Aug 2015– Nov 2015
**Standard Role:** Senior Database Developer (Software Engineering Sr. Analyst)
**Project Role and Description:**
The application is related to **Media and Entertainment**. It is as a mode and medium for performers and users to deal transactions and consolidate payments to the creators of music (programme, production and work). The application is built with Microsoft dynamics CRM and AX. Whereas Microsoft sql server acts as middle layer for data migration and calculation and reporting servers.
My role was to analyse the functional requirements, design and Develop complex stored proc to implement the requirement. Analyse and update new schema as required. Create SSIS packages for Data transfer for project setup. Create SSRS reports as per business requirements.

---

**Client:** Cofunds,UK (7 months UK - Onsite role)
**Project:** Ienabler                    **Project Duration:** Dec 2014 – July 2015
**Standard Role:** Senior Database Developer (Software Engineering Sr. Analyst)
**Project Role and Description:**
The application is related to **Investment banking platform,UK**. It is as a mode and medium for customers and fund managers to deal investments. The web and mobile application was created using Asp.net and MS SQL Server 2008(data layer and Business layer). KPMG recommendations were to be implemented to comply with CASS before June 1 2015.
My role was to analyse the functional requirements, design in Enterprise Architecture and Develop complex stored proc to implement the requirement, Script Data volume uplift script to forecast performance issues (Sql Sentry Pro tool for performance analysis). Create Stored proc, unit testing stored proc for Jenkins CI build test. Update test proc using the existing sql framework. Analyse new schema and index and code re-factor for performance improvement of the module.

---

**Client:** Accenture Global
**Project:** SI Delivery Wizard                    **Project Duration:** Feb 2014 – Dec 2014
**Standard Role:** Senior Database Developer (Software Engineering Sr. Analyst)
**Project Role and Description:**
The application is related to **Delivery performance Intelligent Tools**. It is to integrate all SDLC project management and traceability of the same for Accenture Global projects for analysis and action of the senior executives. The web application was built on robust windows 2012 environment. The application was created using C#.net (MVC architecture) and MS SQL Server 2012 Database as a DB server and business logic tier at the back end.
My role was to analyse the requirements, design DB schema, and Develop complex stored proc to implement the Business logic n retrieve data in xml encrypted format. Support on SSIS Packages for Data transfer from Client FTP to Accenture VM. (Bulk data transfer)

**Client:** Accenture IDC, PDC and CDC
**Project:** Capture Dart                    **Project Duration:** Feb 2014 – Aug 2014
**Standard Role:** Senior Database Developer (Software Engineering Sr. Analyst)
**Project Role and Description:**
The application was related to **Delivery performance domain**. It was related to capture metrics and measures of all projects and engagement inside Accenture IDC, PDC, and CDC for analysis and action of the senior executives. The web application was built on robust windows environment. The application was created using C#.net and MS SQL Server Database was acting as a DB server at the back end.

My role was to analyse the Load test reports and implement performance up gradation of the **SQL DB using Perfmon, Accenture Ignite tool, DMVs, Database tuning advisor.**
Secondary role was to work on the change requirements **(database proc)** to enhance the application as per requirements of the user. Implement event logging in the webpages, pagination of the webpages.
-------------------------------------------------------------------------------------------------------------------- ----

**Client:** Ab-Inbev, Europe
**Project:** Moonwalk　　　　　　**Project Duration:** Sep 2012 - Feb 2014
**Standard Role:** Senior Database Developer (Software Engineering Sr. Analyst)
**Project Role and Description:**
The Application was related to **Consumer Goods and services – products** – alcoholic beverages domain. The application is stock production. Storage management using FLT's and robots and transport management of the stock. The project was to provide **24*7 L1 to L4 support** and maintenance of the tool built on front end with Webwise Highjump technology and Sql server 2008. Change requests were to be implemented to enhance the usability of the tool by the FLTs, WH users.
My role was to provide Operational support, customization, and enhancement of WMS system using Highjump software. MSFT SQL server database management (migration of data and development of the modules on change request). Work on new change request from plan to deploy phase individually. Collaborate with third party and users. Provide **24*7 L1 support** to the users directly over phone and emails. Have implemented **Failover testing, DB backup and restore, and development of the functional modules**. Manage Highjump tools such as advantage architect, Webwise and advantage fulfilment optimiser tools to add a new ware house, incorporate direct loading. Manage production performance issue. Learnt **ITIL support service** strategy (BMC tool). Completed L2 support Consumer Goods Services training. Provided RDBMS and WMS Functional Training. Secured 4.6/5 trainer score for HSFP RDBMS training for ASE.

**Client:** Industrio Turbo Propulso, Spain
**Project:** ITP PLM implementation　　　　　**Project Duration: May 2012 – Aug 2012**
**Standard Role:** Database Developer (Software Engineering Analyst)

**Project Role and Description:**
ITP PLM project is the migration of the Team centre from 2005 version to TC8.3 along with merging of the SAP MBOM data. The Sql server database plays the vital role in the transformation of the data as per new version requirement from the old version of data and SAP. Database developer has to **create the database to manage the data and transform** the same as per business requirement as per the mappings provided. Project **received European patent** for the concept of creating master bom by merging SAP MBOM and CAD BOP using ETL concept. Used SQL server Data **import/export wizard**, T- Sql Proc, Windows application was created using **c#.net, sql Linq** to perform migration of data. Batch file execution was created.
**Accenture Inventor (2013) Award. (**D13-088-02612 -"MASTER BILL OF MATERIALS CREATION")

**Client:** Accenture- IDC
**Project:** Abacus Future Proofing　　　　　**Project Duration:** September 2011 - May 2012
**Standard Role:** Database Developer (Software Engineering Analyst)
**Project Role and Description:**
Performance analysis of Abacus suite of Applications.
**Simulate the business logics** of one application Contractor management system into **a single SQL proc** to create load test data for application performance test (Load runner). Design, implement **code refactoring and performance tuning for complicated and complex stored procedures** using tools as Accenture SQL Lint, Early response time testing methodology and SQL Prompt. Verify Degree of Parallelism, Isolation levels and update to increase performance.(OLTP). Fix functional defect for .net 4.0 migration activities for IJP application. Created and Delivered CIO Tech Thursday technical presentations on topics like Implicit Conversion and ranking functions (SQL server 2008), Data Access in Sql server. Deliver functional KT session on Abacus suite of applications. Help Peer group and ASEs for SQL related tasks.

**Client:** Accenture- IDC
**Project:** Abacus Roadmap          **Project Duration:** September 2010 - August 2011
**Standard Role:** Software Developer (Software Engineering Associate)
**Project Role and Description:**
**HR Domain**: Upgrade and improve performance of Abacus suite of applications used by Accenture IDC as client for Recruitment, Demand & supply of employee and contractor.
Improve performance of application from Database data management techniques like **partitioning of tables and purging** and archival of data. **Create missing index**. Find bottle necks and **analyse and optimise t-sql queries using query execution plan**. Encryption of connection string values in web config (using windows authentication). **Use DMV's** (index, statistics analysis) to analyse the performance of SQL server. Created Query trace stored procedure for analysis of SQL Stored Procedure performance. Created & Delivered presentations for Tech Thursday on topics like Scan Vs Seek and Early Response Time Testing. Attended Mandar Imandar's(Microsoft trainer) t-sql performance tuning training sessions.

**Certification:**
- MS-MCTS SQL 2008 Database Development
- ACN-Software Developer (C#.net)

**Technical Skills:**

| Skill | Proficiency | Yrs of Exp | Last Year Used |
|---|---|---|---|
| Data Archiving | P3 - Advanced | 9 Years | 2023 |
| Database Development | P4 - Expert | 7 Years | 2023 |
| Database Performance Tuning | P3 - Advanced | 9 Years | 2023 |
| Requirements Development | P3 - Advanced | 9 Years | 2023 |
| SQL (Structured Query Language) | P3 - Advanced | 9 Years | 2023 |
| Application Programming and Debugging | P2 - Proficient | 6 Years | 2023 |
| Data Transfer Tools ( Sql bulk import, sql wizard) | P2 - Proficient | 9 Years | 2023 |
| Database Partitioning | P2 - Proficient | 6 Years | 2023 |
| Peer Reviews | P2 - Proficient | 10 Years | 2023 |
| SSIS, SSRS | P2- Proficient | 3 Years | 2013, 2015, 2018 |
| AWS QuickSight | | 6 months | 2023 |
| Power BI Desktop | | 6 months | 2023 |
| Azure Data Factory | | 6 months | 2023 |
| Azure Data pipeline | | 6 months | 2023 |
| AWS code Build Code pipeline | | 6 months | |
| | | | |

**Training/Continuing Education:**

| Course | Company/Vendor | Date Taken |
|---|---|---|
| Green Field Training - C#.net | Accenture | July 2010 |
| Silverlight 5 | Avanade | March 2012 |
| Highjump Technology 7.0 | Accenture project | Sep 2012 |
| Principles of Data Access SQL Server | Accenture CIO | January 2011 |
| Performance Tuning of SQL Server T SQL queries | Microsoft | December 2010 |
| Avanade Architect apprenticeship program enrolled | Avanade | January 2015 |
| Consumer goods and services L1 L2 training | Accenture CGS Products | January 2013 |
| Banking Industry Generalist Certification | Accenture Banking Industry Team | January 2015 |
| Business Intelligence SQL server 2012 | Avanade | July 2015 |
| Nex Gen Data Analytics | Avanade | March 2016 |
| AWS fundamentals | Coursera | January 2023 |
| Azure Data fundamentals | Microsoft virtual | March 2023 |
| Microsoft Power Apps using Github ( Dataverse) | Microsoft training | March 2023 |

**Academic Profile:**

| Course | Name of the Institution | Class (% secured) | Full/Part Time | Year of Passing |
|---|---|---|---|---|
| B.E (Electrical & Electronics) | Sethu Institute of Technology, (Anna University, Chennai - Affiliated college) | 80.5% | Full Time | 2010 |
| HSC | Noyes Matric H.S.S. | 69% | Full Time | 2006 |
| AISSE | Kendriya Vidhyalaya, CBSE board | 75% | Full Time | 2004 |
| Dip. in PLC | Tamilnadu Polytechnic college, Madurai | A | Part Time | 2009 |
| Adv. Dip Java Programming | CSC computers centre | A | Part Time | 2008 |

**Awards received:**
- Kudows award Oliverwyman 4 awards - Strive for breakthroughs , Own our impact -2021, 2022

- European inventor title from Europe Government in 2013.

- Accenture Inventor award 2013.

- Quality Champion and Customer is Boss from AbInbev.

- Accenture Celebrating Performance awards for the below skills repeatedly: "Drives for value added results", "Maximizes teams Performance", "Anticipates and Handles critical situations!", "Builds Technical Capabilities", "Maximizes teams performance", "Resolves Issues, Focuses on delivering excellence".

**Personal Profile:**
Father Name: Krishnamurthi R
Mother Name: Krishnaveni R
Date of Birth: 11 Dec 1988
Birth Place & Nationality: Ernakulam - Indian.
Gender & Marital Status: Female – Married
Languages Known: English, Hindi, Sanskrit, Tamil
Passport: J3349960 (22 September 2020- India republic)
PAN Card: cumps8583e
Driving License: Two wheeler
Hobbies rest in: Listening to Music, Compose Music

**Declaration:**
I do hereby confirm that the information furnished in above is true to the best of my knowledge and belief.

Date:

Signature:
(Swarnalatha Krishnamurthi)