

NISSY ABRAHAM A

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Experienced professional in Application Development, Data Warehousing/Migration, ETL Development, Data Quality Assessment, and with academic experience in Machine Learning; seeking an assignment with a reputable organization in the IT industry

💡 PROFESSIONAL SUMMARY

A skilled professional with almost seven years of experience in Application Development, ETL development, and data management in the healthcare and finance domains. Experienced in utilizing Python and C# for application development and working with Informatica PowerCenter 9x/10x, Data Quality 9x/10x for ETL development, data migration, warehousing, and quality assurance projects.

💡 PROFESSIONAL SKILLS

- Data Science/Artificial Intelligence/Programming Languages - Python, Machine Learning, Deep Learning
- Cloud Computing Technologies - Amazon Web Services
- Visualization: Power BI
- Programming Languages/Frameworks - C#
- Data Integration/Data Management - Informatica PowerCenter, Data Quality, and Metadata Manager
- Database Management - Oracle PL/SQL, Microsoft SQL
- Workflow Automation - Control-M
- DevOps Tools - Jenkins
- Operating Systems - Unix, Windows
- Software Development Methodologies - Agile, Kanban

📁 WORK HISTORY

06/2019 – 09/2022

Position – Data Engineering Specialist
Company – Accenture Solutions Pvt Ltd
Key Result Areas:

- Requirement Gathering and Design of the data flow and quality maintenance
- Coordinating with different stakeholders to comply with the standards of data flow within different systems
- Framing architectural decisions, providing leadership & direction for time-sensitive projects while considering requirements to enable growth and business agility
- Managing validation & testing for achieving client objectives before the deadline
- Mapping requirements and providing customized software solutions involving finalization of product specifications and appropriate techniques; conducting system study and coordinating with team members for System Design & Integration, Application Maintenance.
- Providing technical support in the design and development; assisting in the development of new systems or enhancement of existing systems based on customer requirements

Project Name: Fidelity Investments

Role: Consultant Developer

Project Description:

- Building Python-based applications for managing data transformations in the master database and maintaining data quality
- Design and development of reusable logic for various systems for data flow and quality corrections and reporting
- Reporting issues to various stakeholders and business teams in data quality and data flow
- Creating views for data flow between various systems in PLSQL
- Reporting the systems through JMS queues and other routing systems for triage and correction
- Design and development of adaptor to various systems using PowerCenter
- Performing the UI validation for the notifications using JMS queues
- Preparing views for tableau report generation
- Creating IMM and Manta connections for data flow reporting
- Performance tuning of the existing queries, stored procedures, and functions to enhance performance
- Creating Unix batch jobs and control-M jobs for auto-execution on scheduled timelines

09/2014 - 04/2019

Position – Application Development – Product Developer, Application development -Lead

Company - DXC Technologies (Formerly known as CSC India Pvt Ltd)

- Planning, designing, coding, analyzing, and conducting test systems for applications; developing and executing unit/ basic/ functional test cases & framework
- Performing requirements gathering, analysis development and testing
- Participating in the Software Development Lifecycle right from requirement analysis, documentation (functional technical design), coding and testing (preparation of test cases along with implementation) to the maintenance of the deployed solution
- Managing validation & testing for achieving client objectives before the deadline
- Mapping requirements and providing customized software solutions involving finalization of product specifications and appropriate techniques; conducting system study and coordinating with team members for System Design & Integration, Application Maintenance.
- Providing technical support in the design and development; assisting in the development of new systems or enhancement of existing systems based on customer requirements
- Developing, enhancing & maintaining established service design procedures and process to assure apt and robust service design.

Project Name: Lorenzo, National Health Service, United Kingdom

Role: Lead Developer, Application Developer

Project Description:

- Creating various complex logics using the ETL tool 'Informatica' and C# applications to transform the legacy data as per target systems specifications.
- Loading the transformed legacy data into the target using LDMS Tool
- Using various features of MS SQL server like 'Ranking function', 'Indexes', 'Joins', 'Temporary tables' etc. in the stored procedures which will be called/executed to perform the final update on the target system as per business requirement.
- Performing the UI validation for the loaded Data.
- Developed SSRS-based report in ET to report the summary of extracted records.

- Part of the Solution development team to devise logic for Complex designs that came in and been part of the performance tuning team to rephrase the existing code to improve performance.
- Creating and modifying stored procedures, and functions to meet the necessary business requirement like child-to-parent table update
- Performance tuning of the existing queries, stored procedures, and functions to achieve faster data loading in the target database.

EDUCATION

- MSc Artificial Intelligence from Aston University 2023* ongoing.
- Bachelor of Engineering (Electronics and Comm Engineering) from Anna University with 8.3 CGPA
- HSC (A-Level Equivalent) with 93% and SSLC (GCSE equivalent) with 96% from St. Josephs GHSS, Dindigul

CERTIFICATIONS AND LICENCES

- AWS Certified Solutions Architect – Associate, Issued by Amazon Web Services Training and Certification, May 2022
- AWS Certified Developer – Associate, Associate, Issued by Amazon Web Services Training and Certification, Aug 2020
- NVIDIA DLI Certificate – Getting started with AI on Jetson Nano, NVIDIA Deep Learning Institute, Mar 2023

AUTOMATION AND INNOVATION

- Automation of various daily activities like processing fixed-length files using Python, End-to-End Integration testing tool and deployment tool for data management tools
- Innovative python based data quality assurance tool that is agnostic of source data.

CORE COMPETENCIES

- Application Design, Development & Maintenance
- Machine Learning and Data Mining
- Extract, Transform and Load(ETL), Data Warehousing/Data Quality Analysis
- Automation of various daily jobs
- Requirement Gathering & Analysis
- Project Life-cycle Management/ Risk Analysis and Issue Management
- Team Building/Management/ People Management

References available on request