Shashank Mamidipalli

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Professional Summary:

- **Over 9 years** of success in designing and building effective, end-to-end scalable Data solutions.
- **9 years** of advanced proficiency in data analytics, data profiling, data extraction, and data mining.
- Experience working on relational & multi-dimensional databases, with emphasis on data warehousing
- Developed Business Intelligence strategy and technology solutions by providing executive dashboards, standard reporting, self-service reporting and data analysis.
- Deep understanding of data models, database design development, data mining and segmentation techniques
- Experience implementing data integrity and data quality processes.
- Experience in processing and analyzing data sets, interpreting them for making business decisions
- Experience in designing and developing data cleansing routines utilizing typical data quality functions involving standardization, transformation, rationalization, and linking.
- Understanding of statistical methodologies and techniques utilized for analyzing large datasets
- Presented data results by defining metrics, KPIs and identify trends, gap & opportunities.
- Experience in building universes & reports in **Business Objects** based on multiple data sources including **SQL & Oracle database**.
- Experience writing scripts to retrieve & analyze data from relational databases like **SQL, Teradata & Oracle.**
- Experience in developing interactive visualizations utilizing various reporting components with multiple datasets in **Tableau.**
- Experience in object-oriented programming (OOP) concepts using **Python, C++** and **JavaScript.**
- Experience writing code in Python using libraries like Pandas, NumPy, SciPy, Geocoders, Matplotlib and more.
- Experience in conducting workshops with business stakeholders to gathering requirements and document **BRD & TRD** in **Jama.**
- Experienced in **Training & Supporting end-user** reporting needs using Business Objects.
- Possess excellent **communication and Interpersonal skills.** Result-Oriented and excellent team player with strong communication, analytical, presentation and problem-solving skills.

Education:

Masters in Engineering Science	Dec 2010
Louisiana State University, Baton Rouge, LA	GPA 3.4
Bachelors in Electrical Engineering	May 2008
Osmania University Hyderabad, India	GPA 3.2

Certifications:

PCEP – Certified Entry-Level Python Programmer [PCEP-30-01], by Python Institute, Dec 2019.
Tableau – Certified Tableau Desktop Specialist, by Tableau, 1024810, Feb 2020.

PROFESSIONAL EXPERIENCE

Volkswagen Credit Inc. – Libertyville, IL (July 2014 – Present)

Project Name   :   Data warehousing project – Cloverleaf, ADG05
Environment   :   Business Objects XI 3.1/4.1/4.2
Role   :   BI Data Engineer Sr

Projects & Achievements:
- Report Optimization – Accounting
  - Automated 36 manual processes required for Journal voucher entry & Month end activities
  - Saved 531 FTE hours
  - Trained users on report, dashboard development & process improvements
- Dealer Loyalty Program
  - Involved in creating SQL package for calculating loyalty on demanded based on user inputs
  - Built Dashboards for leadership team on dealer's loyalty performance
  - Worked on 242 dealer's performance with detailed metrics
- Robotic Process Automation (RPA)
  - Created detailed process blueprint to document business process along with man hours and cost
  - Involved in developing an RPA Bot using UI path
- Cloverleaf
  - Validated up to 400 old legacy reports to segregate between Account Receivable and Accounts payable groups and assign them priority & schedule to match the project timelines
  - Developed universe for each department and create the model as per the requirements
  - Developed new reports in BO 4.1 / 4.2 and support during UAT and production migration
- Tableau
  - Developed dashboards with interactive visualization using various components and functionalities in Tableau.
  - Converted Call Centre metrics into Tableau dashboards to present agents & team performance to the Leadership team
  - Created datasets with multiple data sources and built charts, scorecards, heat maps, drill down objects and hierarchies in Tableau.
  - Share and published the workbooks to the stakeholders on Tableau Online and Tableau Servers.
- Legacy System Reconciliation
  - Worked as a Reconciliation Balancing analyst - Created scripts (SQL & Oracle DB) to reconcile the accounts and amounts between the legacy and new data warehouse
  - Created Python scripts for data validation & Data profiling.

Technical Environment: Business Objects 3.1/4.0/4.2, Tableau, SAS, Informatica, Rapid SQL, MS SQL Management Studio, Python, Jama Product Delivery Platform, Jira, TFS Workbench, Cisco Workload Automation, MS Visio, MS Project, HP Service Manager, Informatica Metadata Manager, IBM Blueworks, MS Office, Visual Studio, JIRA

WellPoint – Richmond, VA (Feb 2013 – July 2014)

Sr Data Analyst—Data Warehousing Project (On EDWard and Underlying Applications)
Liaised with client's IT and business leadership to gather and analyze business requirements, compiling resulting documentation in Lean-compliant formats to influence management's Level of Estimates. Supported claims, provider, and membership divisions as well as WGS, Facets, NASCO, and CS90 source systems. Trained offshore and onsite team members in detailed technical requirements and the extensive SDLC process. Documented the design of Universe and detailed classes/objects information as well as the design of WEBI reports and dashboards to utilize for future reference. Managed an offshore team of 6 resources.

Key Achievements:
- Effectively prioritized and sequenced the application deployments into three releases, collaborating with offshore teams and the client to implement evolving requirements into existing releases or timelines.
- Finalized the mapping to add new fields to EDWard Client Reporting in conjunction with enterprise and legacy DW experts.
- Coordinated SIT and UAT activities, partnering with environment controllers and project administrators to ensure compliance with all SDLC processes for migrations to higher environments.
- Designed a new Universe for Pilot project to support EDWard Client Reporting on SQL & Teradata.
- Created ETL workflows to transform and migrate data in Informatica.
- Created and conducted workshops for business users and stakeholders to share the documented reporting and dashboard design requirements, building prototypes for the interactive, executive-level dashboards.

The Advizor Group – Glen Allen, VA (Jan 2012 – Feb 2013)

BI Developer—Data Modelling and Data Migration Project (Hewlett-Packard)
Interfaced with business users to finalize requirements, establishing user security for the BI landscape and creating user, folder, and BI objects. Scheduled reports in various export formats, including .csv, Excel, Word, and PDF. Created dashboards with Xcelsius 2008 and Dashboard Design using charts, cross-tabs, and sub-reports. Created QAAWS for data upload to Xcelsius and worked on static data and G-maps integration. Debugged execution errors, cleansed and standardized data, and performed unit, integration, and user acceptance testing while writing test plans.

Key Achievements:
- Wrote free-hand SQL queries for the successful extraction and analysis of data from the SQL Server and Oracle database.

- Proactively combined multiple database information from data providers to develop Webl and Deskl reports and queries, creating Master Detail reports using variables and cross tabs and designing charts with multiple drill-down levels.
- Designed the technical and functional specifications for Universe and reports development for multiple databases, establishing and certifying adherence to best practices for Universe design.
- Developed hands-on experience with SAP Data Services XI 3.2 and consistently utilized transformations such as Case, Map Operation, Merge, Query, Row Generation, SQL, Validation, Data Cleanse, Address Cleanse, and Match.
- Implemented dashboard securities using Trend Analyzing features of Xcelsius to present historical data.

Avventis Inc. – Edison, NJ (Nov. 2010 – Dec. 2011)

BI Consultant—SAP Implementation Project (MPSHQ Plants)
Conducted requirements-gathering sessions, developed Universe, reports, and user security, created Web Intelligence, Desktop Intelligence, and Crystal reports, and supported production of P2 and P3 tickets in Business Objects (BO). Designed SQL queries in the SQL and Oracle database to both extract and compare data from various source systems. Created interactive dashboards in Xcelsius while importing data.

Key Achievements:
1. Trained business users on business objects, guiding them through proper report generation and multiple-format exports.
2. Exceeded expected results by closely working with database administrators, application developers, and business users to align business requirements with client needs.
3. Directly involved in the migration of BO XI 3.1 to BO XI 4.0, successfully troubleshooting and rectifying data issues generated as a result of the transition.

Louisiana State University, System Administrator – Baton Rouge, LA (Mar 2009 – Nov 2010)
Environment: C# (backend programming), CSS, Java Scripts, XML, HTML, SQL Server 2008, ASP.

Technical Skills:

Business Objects:	Business Objects 4.1/4.2, Desktop Intelligence, Information Design Tool, Universe Design Tool, Web Intelligence, Crystal Reports, QAAWS, CMC, CMS.
Data Visualization:	Tableau, SAP Dashboard – Xcelsius 2008, Dashboard Design
Data Modeling:	Dimensional Data Modeling, Star Schema Data Modeling, FACT and Dimensions Tables, Physical and Logical Data Modeling
DBMS:	Oracle 10g/11g, MS SQL Server 2008/2005, Teradata and MS Access.
Programming:	SQL, Python, PL/SQL, SAS, Java Scripts, HTML, XML, JSON

References furnished upon request