DINESH SHARMA DATA ARCHITECT/ Sr. ETL DEVELOPER

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Professional Summary:

I am Dinesh Sharma has over twenty years’ experience in information technology to design, develops and implements the data warehouse, web application, and client/server system. I have Bachelor’s Degree in Computer Science and engineering. Currently, I am working as a Data Architect, DBA and Warehouse Builder on the USPS–OIG’s contract. I am responsible to setup development/qa/production environment for data warehouse and configure database servers, design data model, and develop data mart for Data Mining Group.

* Oracle 12c Installation and Administrator, Oracle 11gR2/11g/10g/9i,8i including writing SQL, PL/SQL stored procedures, packages, triggers and Data loading using PL/SQL
* Worked as **Data Architect** to build Relational model and Dimensional model by using **Erwin 8.x/7.x/4.1**
* **Oracle Warehouse** **Builder 11gR2/10gR2/9i, Informatica 8.1/7.1.1**
* **Database Administrator** in Oracle and SQL Server to create user, role and privileges for users, Rman Backup and Recovery, Database logical backup with Oracle Data Pump and export/import, Oracle database server performance monitoring, Tuning and trouble-shooting
* Used **S-Designer** and **Microsoft Visio** to design Relational Data model
* Build **Shell Script** to cron the job to automate the process, backup and recovery data in Oracle
* Used **DTS** to import/export data in SQL Server 2000
* Used **SSRS, SSIS, SSAS, PowerPivot** to build Reports and import/export data in SQL Server 2005/2008
* Build reports in **Business Object XI, Cognos 7.3 and Crystal Reports 8.0/6.5/4.0, SQL Server Reporting Services (SSRS)**
* Used **Hyperion Tool** to extract data and import in Datamart.
* Used TOAD/SQL Developer tool to diagnose database performance issues
* Installed and Configured IIS Server for Web Applications
* Build web application by using **ASP, IIS Server 4.0/5.0**, **JavaScript, VBScript, CGIScript, Perl Script, HTML, XML, XSL**
* Build Client Server applications by using **Visual Basic 3.0/4.0/5.0/ 6.0 and Power Builder 6.5/5.0/4.0**
* Build **MTS** for transaction handling
* Used **VBA** to generate files and reports in **MS-Word, MS-Excel** and **Macro**
* Experienced in n-tier architecture using **COM** component
* Experienced in the **Insurance, Banking, Telecom, Manufacturing and Retail Industry.**

Excellent communication and presentation skills, Team leader, Team player and can also work independently

Education:

* B.S. in Computer Science and Engineering from Bundelkhand Engineering College, Jhansi, India in 1994

Training:

* Capability Maturity Model Integration (CMMI Level 5)
* Microsoft Certified Solution Developer (MCSD).
* Professional Training on .NET technology.
* AllFusion-ERWin/BPWin 7.1
* Oracle Data Warehouse Implement & Administer 10g R2
* Oracle 11i E-Business Suite Connector
* Oracle 12c New Features for Administrators
* Oracle Data Integrator 12c: Integrator and Administration

Immigration Status:

* US Citizen

Clearance:

* Public Trust

Professional Experience:

USPS-OIG Rosslyn, 04/11/2011 – Present

Data Architect/DBA/ETL Developer

Office of Inspector General (OIG) consist of four detection department**; Internal Mail Theft, HealthCare, Financial and Contract Fraud**. The objective of data mining group (DMG) is to identify new and counting postal fraud related criminal behavior while supporting external investigations.

The aim of Risk Analysis Data Repository to design, builds, test and deploy data warehouse and SSRS reports to support investigation operation.

• Involved in the complete software life development cycle (SLDC) of the project, requirement analysis, designing, development, documentation, testing and supporting the system

• Involved in environment setup for Oracle Database 11gR2, OWB Repository and SMTP Server and IIS Server for Web Reports

• Involved in Database migration from 10gR2 to 11gR2

• Worked as Data Architect to build Relational data model and Dimensional model (SCD-2) for Data Warehouse by using Oracle Data Modeler 2.0 and ER-Win

• Build Reports by using SSRS and support to build queries for building reports

• Used OWB 11g R2 ETL tool to build data warehouse and managed DBA activities

• Build the Work Flow Process to schedule the ETL process to refresh DataMart

• Involved in setup for ESRI map for Geodata process

• Developed procedures, functions and views in Oracle 11gR2 Database using PL/SQL.

• Build adhoc reports, PowerPivot in SSRS 2008

• Worked as a DBA Roll for Data Warehouse group, Database logical backup with Oracle Data Pump and export/import, Oracle database server performance monitoring, Tuning and trouble-shooting, Oracle PSU and other patching use OPatch utility, Build database link by using Oracle Gateways to access multi databases, support as DBA for other application group

• Refreshing Data for Data Warehouse

Environment: OWB 11gR2, Oracle 11gR2, SQL Server 2008, PL/SQL, AllFusion-ERWin 8.x/7.x, SSRS 2008, Oracle Data Modeler 2.0, Windows XP/Windows 2008/Windows 2012

McKesson Medical-Surgical, Richmond, 10/11/2010 – 04/08/2011

Data Architect/Developer

The objective of the McKesson Enterprise Data Warehouse Project is to incrementally create a comprehensive data warehouse that includes one or more data mart(s) to support McKesson Medical-Surgical. The EDW will be delivered incrementally in order to provide value in a reasonable time frame and reduce risk.

Involved in the complete software life development cycle (SLDC) of the project, Requirement analysis, Designing, Development, Documentation, Testing and supporting the system.

• Involved in Software setup for Oracle Database and OWB Repository and SMTP Server.

• Worked as Data Architect to build Relational data model and Dimensional model (SCD-2) for Data Warehouse by using ER-Win 7.1

• Used OWB 11g R2 ETL tool to build data warehouse and managed DBA activities.

• Build the Work Flow Process to schedule the ETL process to refresh DataMart.

• Developed stored procedures, Functions and View in Oracle 10gR2 Database using PL/SQL.

Environment: OWB 10g R2, Oracle 10g, PL/SQL, Business Object XI, AllFusion-ERWin 7.1, Red Hat Linux, Windows XP/WindowsNT4.0

Federal Aviation Administration (FAA) 04/2010 to 10/08/2010

Data Architect/Developer

Asset management & National Airspace (NAS) supply support team supports the FAA asset management and logistic supply support processes and information systems used for life cycle asset management and integrated logistics. OST team engaged in stabilization and modernization effort of existing application, the transition and integration of legacy applications, the management of service desk and maintenance of organization website.

• Worked as Data Architect to build relational data model for Asset Information Tracking System (AITS). Reversed engineered for existing system. Backup and recovery of database

• Analyzed and reviewed the existing Delphi Interface to AITS system.

• Modified and deployed interface in production to refresh data from Delphi System to AITS system

• Build the DTS packages to export/import data

• Worked on complex SQL to analyze and clean data for existing assets in Delphi

Environment: SQL Server 2000, AllFusion-ERWin 7.1, MS-Word and MS-Excel, Windows XP/WindowsNT4.0

DC Lottery Businesses and Charitable Control Board (DCLB) 09/2007 to 03/2010

Data Architect/DBA/Sr. Technical Developer

Involved in the complete software life development cycle (SLDC) of the project, requirement analysis, designing, development, documentation, testing and supporting the system.

• Involved in Software setup for Oracle Database and OWB Repository and SMTP Server, Rman Backup AND Recovery

• Worked as Data Architect to build Relational data model and Dimensional model(SCD-2 ) for Data Warehouse by using ER-Win 7.1

• Used OWB 10g R2 ETL tool to build data warehouse.

• Managed some DBA activities.

• Build the Work Flow Process to schedule the ETL process to refresh Datamart.

• Data migration from Oracle 11i GL Ledger to DataMart by using e-Business Suite Connector

• Developed Stored Procedures, Functions and View in Oracle 10gR2 Database using PL/SQL.

• Build Materialized view to increase the performance of reports.

• Developed shell script & cron jobs to refresh Data Mart.

• Developed cron jobs for DB Backup, Recovery and Refresh Materialized View.

• Build Adhoc and Web Reports in Business Objects XI

Environment: OWB 10g R2, Oracle 10g, PL/SQL, Business Object XI, AllFusion-ERWin 7.1, SQL Server 2005, SSIS, SSAS, MS-Word and MS-Excel, Red Hat Linux, Windows XP/WindowsNT4.0

**Pension Benefit Guaranty Corporation (PBGC) 06/2004 - 09/2007**

Data Warehouse Developer/Data Analyst

**Analytics and Data mart (ADM)**

Involved in the complete software life development cycle (SLDC) of the project: Requirement analysis, designing, development, documentation, testing and supporting maintenance and enhancement for BPAD and HR department.

• Worked as Data Architect to build Relational model and Dimensional model(SCD-2 ) for Data Warehouse by using ER-Win 4.1 ER-model and SCD-2 Dimensional model for BAPD Measures and HRD Measures

• Used OWB 10g R2 ETL tool to build data warehouse

• Partitioning tables and tuned PL/SQL on performance issues

• Developed Stored Procedures, Functions and View in Oracle 10gR2 Database using PL/SQL.

• Developed PL/SQL procedures for automation of jobs scheduling.

• Developed shell script & cron jobs to refresh Datamart.

• Extract data by using Hyperion to refresh HRD Datamart

• Assisted to develop report in COGNOS 7.3.

• Developed cron jobs for DB Backup, Recovery and Refresh Materialized View.

Environment: OWB 10g R2, Oracle 10g/9i, PL/SQL, Cognos 7.3, Hyperion, AllFusion-ERWin 4.1, MS-Word and MS-Excel, Unix, Red Hat Linux PVCS 7.x, Novell ZEN works 3.2.1, Windows XP/WindowsNT4.0

**Performance Accounting System**

Worked as Consultant and involve in enhancement, maintenance, fixing errors, testing PA system and take requirements for new changes.

• Involved in Database Relational Data model for updating relationship for Budget, Financial Institution, General Ledger, Investment, Payable and Payroll module.

• Used OWB 10g R2 ETL tool to build data warehouse for Performance Accounting System.

• Developed Stored Procedures, Functions and View in Oracle Database 9i.

• Developed shell script & cron jobs to refresh Datamart.

• Migrated data from Oracle 8i to Oracle 9i Database

• Assisted to develop report in COGNOS 7.3.

• Used Macro to build report

Environment: OWB 10g R2, PL/SQL, Cognos 7.3, Erwin 4.1, Oracle 8.0/9i, Unix , MS-Access, MS-Word and MS-Excel, Macro, Acrobat Reader 6.0, Macros, PVCS 7.x, Novell ZEN works 3.2.1, Windows XP/WindowsNT4.0

Rotary International Systems Inc. 08/2003 to 05/2004

Sr. Web Developer

Rotary International works with Rotary Clubs and Districts to undertake social and charitable projects and helps them by providing the financial and administrative support with the help of funds received from The Rotary Foundation of Rotary International, USA. Rotary International having four applications named as People, Donor, Share and Scholar. These applications are developed on framework architecture on client-server technology and now converting into web based application. It also involves a complete MIS solution and Reporting module for all applications.

• Worked as Consultant and involved in development, enhancement, testing and deployment of project using ASP.

• Involved in defining, designing, and building Relational Data Model by using Microsoft Visio.

• Worked as junior DBA to install and configure the Oracle Database.

• Involved in Database installation, configuration and maintain the Database Oracle 8i

• Involved in Writing/Modifying Stored Procedures, Functions in database

• Used ADO to access the Data Layer, which is entirely based on XML and provides platform interoperability and scalable data access.

• Developed COM component for business logic and Data transaction

• Developed component for generating report in MS-Excel by using VBA

• Generated reports in Acrobat Reader 5.0 and MS-Excel 2000

• Involved in Generating Reports for the application Using Crystal Reports 8.5 and Integrated in to the Application.

• Responsible for Enhancement, Development, Testing, Documentation, and Bug fixing of system.

Environment: VB6.0, ASP3.0, ADO2.6, VisualStudio6.0, VSS, JavaScript, VBScript, HTML, CSS, XML, Crystal Reports 8.5, Oracle 8i, PL/SQL, Microsoft Visio, MS-Word and MS-Excel, Acrobat Reader 5.0, Perl, Documentation of application, Unix, Window2000

Saffron Global Ltd 02/2002 - 07/2003

Team Lead/Developer

Saffron offers Customer Relationship Management services to clients. The objective of the project is to design and develop web-based screen to maintain Campaigns, Agent data and make on-line reports available to client.

• As a team leader, Involved in getting requirement of campaign, Documentation of application, Design and Developed the web based script for CRM.

• Worked as junior DBA to creating database design and maintaining Database

• Worked as Data Architect to build Relational model for CRM System

• Involved in Writing/Modifying Stored Procedures and Functions in SQL Server2000 Database.

• Used T-SQL for transactions

• Used ADO and XML to save data in SQL Server 2000.

• Developed sockets for CRM in VB.NET

• Involved in Generating Reports for campaigns Using Crystal Reports 6.5, XML posting, MS-Word and Acrobat Reader.

• Responsible for Development, Deployment, Documentation and Bug fixing.

Environment: VB.net, IIS 5.0, ASP 3.0, XML, XSL, VBScript, JavaScript, HTML, Cascade Style Sheet (CSS), Visual Source Safe used for version control of project , Visual Basic 6.0, COM, Crystal Reports 6.5, SQL Server2000 , E-R model of Database, Schema, Stored Procedure, MS Access 2000, MS-Word 2000 and MS-Excel 2000, Acrobat reader6.0, Window2000

Mitsui Plastics Inc. 07/2001 - 10/2001

Sr. Web Developer

The objective of the project is to design custom browser-based application to front-end, DMAS is running on an AS400/720 order entry process. It allowing orders to be entered, order status tracked and customers demand forecasting information from the Web. It increases the ability to access the application from multiple locations, and increases the user productivity by consolidating screens, eliminating overrides.

• Involved in the complete life cycle of the project: Requirement Analysis, HLD, LLD, Construction and testing of Order Management System module.

• Worked as Sr. Technical Consultant for module management

• Used JavaScript for front end data validation and VBScript for backend

• Involved in designing relational data model DB by using Microsoft Visio.

• Worked as junior DBA to creating database design and maintaining Database

• Involved in Writing Stored Procedures and Functions in SQL Server 2000

• Created COM+ component in VC++

• Used VBA to generate report in MS-Word and MS-Excel in specific format

• Written Macro and used Mail Merge to generate report in MS-Word2000

• Created Web Pages using ASP, HTML, CSS and XML.

• Responsible for complete deployment of module for Order management system.

Environment: Windows 2000, ASP 3.0, COM+, IIS Server 5.0, VC++, VBScript, Java Script, SQL Server 2000, AppLink and Integrator.

MSA Group, Keen 01/2001 - 06/2001

Sr. Web Developer

NGM is a insurance company to provide superior property and casualty insurance products, Programs and services. The objective of the project was to make easy way to maintain data on AS/400 through web based application. It used AppLink and Integrator to access and update accomplished through the existing business transactions. Also we maintained COM+ component for connection pooling from the web server to the AS/400, which reduced the time of connection 75% less then it initially took without the object.

• Involved in the complete life cycle of the project: Requirement Analysis, HLD, LLD, Construction and testing of PCR project.

• Worked as Sr. Technical Consultant for PCR Automation System project

• Used JavaScript for front end data validation and VBScript for backend

• Involved in making ER-model of DB by using Microsoft Visio.

• Worked as junior DBA to creating database design and maintaining Database

• Involved in Writing Stored Procedures and Functions in SQL Server 2000

• Created COM+ component in VC++

• Used VBA to generate report in MS-Word and MS-Excel in specific format

• Created Web Pages using ASP, HTML, CSS and XML.

• Responsible for complete deployment of module for Order management system.

Environment: Windows 2000, ASP 3.0, COM+, IIS Server 5.0, VC++, VBScript, Java Script, SQL Server 2000, AppLink and Integrator.

Refer.com (Idea lab Company) 09/2000 - 12/2000

Web Developer

Refer.com is a job referral system that allows its members to earn money while helping friends find a new position. The product will utilize ASP/COM+ technology in the three tier stateless architecture.

• Involved in enhancement and maintenance web based applications.

• Maintain data by using XML in database

• Worked as Consultant

• Used JavaScript for front end data validation

• Designed and developed web pages using ASP, HTML, JavaScript, VBScript, XML and XSL.

• Responsible for Maintenance and Bug fixing.

Environment: Windows 2000, ASP 3.0, IIS Server 5.0, Java Script, XML, XSL and Oracle 8.0.

Concentra Managed Care Service 04/2000 - 08/2000

Web Developer

I involved in changing to support IE as well as Netscape browser and building the MTS feature in existing web based application to maintain Field Billing system.

• Involved in enhancement and maintenance web based applications.

• Designing and developed web pages

• Created COM component in VB 6.0 and build them in n-tier architecture

• Used JavaScript for front end data validation

• Designed and developed web pages using ASP, HTML, JavaScript and VBScript.

• Responsible for Maintenance and Bug fixing.

Environment: Windows NT, Visual Basic 6.0, ASP2.0, IIS Server 4.0, MTS 2.0, Java Script, VB Script, Oracle 8.0.

FLYWIRE Inc. 01/2000 - 03/2000

Web Developer

ROSEPLACE Site Development (Senior care Finder) - Involved in design and development of a web-based application, which helps people search for senior care services and facilities.

• Involved in the complete life cycle of the project requirement Analysis, HLD, LLD, Construction and testing for Senior Care Finder Module.

• Designing and developed web pages using ASP, HTML, JavaScript and VBScript.

• Used JavaScript for front end data validation

• Responsible for Care Finder Module development.

Environment: Windows NT, ASP 2.0, IIS Server 4.0, Java Script, VB Script, Oracle 8i.

Social Development Unit Revamp, Singapore, 01/1999 - 12/1999

Web Developer

The objective of this application is to assist the unit in planning, organizing and monitoring SDU activities.

• Involved in the complete life cycle of the project: Requirement Analysis, HLD, LLD, Construction and testing for Activity, Billing and Admin Modules.

• Designed Database for the module.

• Used CGI Script for attaching file

• Designed COM components by using VB6.0 for making transaction.

• Written Stored Procedures, Functions and Package in Oracle 8.0 Database.

• Designing and developed web pages using ASP, HTML, JavaScript and VBScript.

• Developed component for generating report in MS-Excel by using VBA

• Written Macro and used Mail Merge to generate report in MS-Word and MS-Excel

• Developed pages using ASP to fetch data using COM components.

• Used JavaScript for front end data validation

Environment: Windows NT, Visual Basic 6.0, ASP 2.0, IIS Server 4.0, MTS 2.0, Java Script, VB Script, CGI Script, Oracle, MS-Excel and MS-Word

Inland Revenue Authority of Singapore, 06/1998 - 12/1998

Sr. Developer

Tax Receipting System – This system enables speedy collection of Tax. Features include OCR scan to read different tax payment methods.

Role:

• Involved in the complete life cycle of the project: Requirement Analysis, HLD, LLD, Construction and testing for Activity, Billing and Admin Modules.

• Involved in screen designing and developed code in VB 5.0

• Designed and created reports in Crystal Report

• Designed Database for the project by using S-Designer tool

• Used Win API for interacting peripherals devices as Check reader and voucher printer

Environment: Windows NT, Visual Basic 5.0, S-Designer, SQL Server 6.5, and Crystal Report.

Ministry of Defense, Singapore, 06/1997 - 05/1998

Sr. Developer

Participated in the development of the system to enable Personnel Management Center to process and monitor stages of Study Schemes. Features include data capturing, report generation and security..

Role:

• Involved in the complete life cycle of the project: Requirement Analysis, HLD, LLD, Construction and testing

• Used VBA to generate report in MS-Word and MS-Excel in specific format

• Written Macro and used Mail Merge to generate report in MS-Word

• Developed the front end using VB 3.0 and Oracle 7.3 as the back-end.

• Developed Stored Procedures and Functions in for the project

• Generated reports in MS-Word and in MS-Excel by using VBA.

• Developed Stored Procedures and Functions using PL/SQL

• On the basis of user input, application retrieve detail information from database and it generate report in MS Word and Ms Excel in defined format.

Environment: Windows 95, Visual Basic 3.0, MS-Word 6.0, MS Office 97 and Oracle 7.3, PL/SQL

HCL Technology, 01/1997 - 05/1997

Sr. Developer

Involved in the development of an on-line integrated system on client server architecture for billing systems.

Role:

• As Sr. Systems Executive, was responsible for designed, developed and implemented system.

• Developed screens by using Power Builder 5.0.

• Generated report as per requirement

• Wrote Stored procedures using Oracle 7.3

Environment: SCO UNIX, Power Builder 5.0, Oracle 7.1.

Uniproduct India Ltd, 02/1996 - 12/1996

Developer

Participated in the automation of different processes such as Inventory, Stock, Purchase, Production Planning and Control, Warehouse, Customer Order, and Finance.

Role:

• As programmer analyst, was responsible for designed, developed and implemented system.

• Designed and developed screens by using Power Builder 4.0.

• Generated report as per requirement

• Wrote Stored procedures using Oracle 7.1 to calculate BOM (Bill of Material)

Environment: Novell NetWare 3.12, Power Builder 4.0 and Oracle 7.1

Altair Technology, 06/1995 – 01/1996

Developer

Developed the system to measure and manipulate color in paints, inks, textile dyeing and plastic industries. Features include quality control tools, comparison measurements, and historical analysis.

• As programmer analyst, was responsible for designed, developed and implemented system.

• Developed screens by using VB 4.0

• Generated report in Crystal Report

• Maintained data in Oracle 7.1

Environment: Novell NetWare 3.12, Visual Basic 4.0 and Oracle 7.1 and Crystal Report

SKA Cores P Ltd, 08/1994 - 05/1995

Developer

Participated in the automation of financial and inventory management processes. Features include report generation.

Role:

• As programmer analyst, was responsible for designed, developed and implemented system.

• Developed screens by using VB 3.0

• Generated report in Crystal Report

• Maintained data in MS-Access

Environment: MS Windows 3.11, Visual Basic 3.0, MS-Access 1.1 and Crystal Report

TECHNICAL COMPENTENCIES

| **Software Name** | **Skill Level (novice, intermediate, or expert skills** | **Experience/Last Used** |
| --- | --- | --- |
| Oracle 11g/10g/9i/8i/7.x | Expert | 17 years/currently used |
| SQL Server 2008/2005/2000/7.0/6.5 | Expert | 11 years |
| MS ACCESS 2000/97 | Expert | 4 year |
| AllFusion-ERWin 7.1/4.1 | Expert | 10 years/currently used |
| S-Designer | Expert | 6 years |
| MS Visio | Intermediate | 3 years/last used 3 years ago |
| Oracle Warehouse Builder (OWB) 11g/10g/9i | Expert | 9 years/currently used |
| e-Business Suite Connector | Intermediate | 3 years |
| Informatica 8.1/6.5 | Intermediate | 1 years |
| Business Object XI, | Intermediate | 3 years |
| COGNOS 7.3 | Intermediate | 1 year |
| Hyperion | Intermediate | 1 years |
| Crystal Report | Expert | 5 years/ |
| Visual Basic 6.0/5.0/4.0/3.0, VB.Net, VBA, | Expert | 7 years |
| Power Builder 6.5/5.0/4.0, Delphi 1.0 | Expert | 3 years |
| ASP 2.0/3.0, ASP.NET, , COLD FUSION, COM, HTML, DHTML, XML, XSL | Expert | 6 years |
| IIS 5.0/4.0 | Intermediate | 6 years/currently used |
| C, VC++, PASCAL, COBOL, | Intermediate | 2 years |
| SQL, T-SQL, PL/SQL | Expert | 18 years/currently used |
| VB Script, JAVA Script, PERL Script, Shell Script | Expert | 6 years/currently used |
| **Hardware Experience** |  |  |
|  | Expert | 20 years/currently used |
| **Systems Experience** |  |  |
| Red Hat Linux, SCO UNIX , , Novell  ZEN works, Novell NetWare 3.12 | Intermediate | 6 years |
| WINDOWS2008/2000/NT4.0/98 /95/3.0 | Intermediate | 8 years/currently used |