**Donald J. Lancaster**

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| Professional Summary  Oracle Certified SQL Expert (May 2012). Writes PL/SQL stored procedures, functions, and triggers to support logistics and data warehouse activities. Imports and exports data in MS Excel (.xls) and XML formats for data warehousing project. Creates connectors, scheduled tasks, and business rules in SmartCo Data Hub. Writes JUnit code to test ETL connectors in SmartCo Data Hub. Previously an ETL professional using Oracle OWB and Informatica, and wrote Tcl programs to support ETL activities, saving the company over $100,000 a year through increased productivity by automating routine activities.  Modifies Oracle database when necessary for data warehouse functions.  Formerly a Web Programmer (using HTML, CSS, PHP, JavaScript, and MySQL) for an Internet-based souvenir and gift company.  Database Developer Certification from Penn State University, March 2006.  Taught classes in Visual Basic. | | |
| TEChnical Summary  Oracle Certified SQL Expert (May 2012). Uses SQL and PL/SQL routinely as part of database programmer activities. Used MS SQL Server SSIS, Informatica and Oracle 11g OWB for data warehousing and ETL.  Currently writing business rules, scheduled tasks, and connectors using SmartCo Data Hub’s proprietary programming language. Also writes JUnit code to support SmartCo programming. Uses MySQL and PHP regularly.  Supported an Internet-based company using MySQL, PHP, HTML, CSS, and JavaScript.  Familiar with Java, Visual Basic, and C++ programming languages.  Familiar with Apache and Tomcat web servers and both Windows and Linux operating systems.  Professional development courses taken at Penn State - Great Valley (Malvern) include Java Programming, Database Design, and SQL. | | |
| Experience | | |
| September 2014 to Present  Medidata Solutions, Inc.              Conshohocken, PA  *Senior Application Engineer*   * Develops MS SQL Server SSIS packages to populate a data warehouse with human clinical trial study data. The data is used by clients to compare their individual study metrics against industry-wide aggregations. In addition, writes unit tests in C# to verify code meets design requirements. Routinely uses SQL Server Management Studio and MS Visual Studio. * Routinely creates databases, tables, views, and indexes as needed for maintaining the staging database and the data warehouse. Modifies tables (adding, altering, dropping columns, etc.) as needed. * Creates SQL to answer data quality analyst’s inquiries and to determine sources of discrepancies between client data and reported values. * Routinely uses GitHub for version control and collaboration. Has written MS PowerShell scripts; routinely uses Smartsheet for server performance tracking and MS Word and Excel for documentation and reporting. Occasionally leads Agile Scrums when required. | | |
| February 2014 to September 2014  Enterprise Elements, Inc. (now InQuisient)             Malvern, PA  *Application Support*   * Developed client-driven web pages based on InQuisient’s browser-based platform for organizing and aggregating data obtained from an Oracle database for a large financial firm. * Technologies used included Oracle SQL, JavaScript, HTML, CSS, and HTML. * Used SQL to join data for aggregation and display; custom HTML tags were used to display the results in browsers. * Development occurred in an Agile environment. | | |
| August 2013 to December 2013  Merck Corp.              West Point, PA *Database Programmer (Contractor)*   * Writes SQL reports and PL/SQL to support Government Pricing calculations. Uses i-Many, an Apache server web-based application that wraps SQL and PL/SQL in XML code for data collection, scrubbing, and manipulation, and for report generation. Routinely uses SQL Developer. Uses Oracle Analytics, set operations, and Regular Expressions as necessary for reports. * Routinely creates tables, views, and indexes as needed for generating reports for Merck. Modifies tables (adding/altering/dropping columns, etc.) as needed. * Routinely creates SQL to select, cleanse, and transform data, then exports the data in MS Excel or XML files. * Uses Excel 2010 for report formatting and data presentation, and Word 2010 for documentation. | | |
| January 2013 to August 2013  Vanguard Corp.              Malvern, PA *Data Management Developer (Contractor)*   * Creates connectors in SmartCo to pull data from text files, convert/transform the data, and load the data into Oracle 11g database tables. Creates scheduled tasks to FTP files, run the connectors, and archive files per business requirements. Writes business rules (procedures and functions) within SmartCo using a proprietary programming language to enforce the business requirements. * Routinely creates tables as needed to support the requirements of the connectors. Modifies tables (adding/altering/dropping columns, etc.) within SmartCo as needed. * Creates and modifies SmartCo user interfaces for aggregating and reporting data for the business analysts. * Routinely creates SQL in SQL Developer to test and review work performed in SmartCo. Uses Oracle Analytics, set operations, and Regular Expressions as necessary. * Uses Excel 2010 and Word 2010 for documentation. | | |
| August 2012 to December 2012  McKesson Corp.              Malvern, PA *Database Programmer (Contractor)*   * Writes SQL reports and PL/SQL functions and procedures to support data warehouse activities. Reviews other programmer’s PL/SQL code and suggests changes and corrections to the code. Routinely uses SQL Developer and SQL\*Plus. Uses Oracle Analytics, set operations, and Regular Expressions as necessary for reports. * Routinely creates tables, views, and indexes as needed for generating reports for clients. Modifies tables (adding/altering/dropping columns, etc.) as needed. * Researched applicability of Oracle Partitions and Data Pump for projects concerning very large databases (VLDBs). Uses Explain Plans to help optimize SQL queries. * Routinely created SQL to select, cleanse, and transform data, then exported the data in MS Excel or XML files for import into separate database tables. * Uses Excel 2010 for report formatting and data presentation, and Word 2010 for documentation. | | |
| August 2011 to August 2012  Object C Talk, Inc.              King of Prussia, PA *Database Programmer (Contractor)*   * Writes PL/SQL procedures and functions to support the Defense Logistics Agency’s Oracle 11g database. Reviews other programmer’s PL/SQL code and suggests changes and corrections to the code. Routinely uses SQL Developer and SQL\*Plus. * Supports webpage developers with design document review, development testing, and research of various technical issues (e.g., data archiving and the Oracle Data Pump API for PL/SQL). | | |
| August 2008 to August 2011  Octagon Research Solutions, Inc.              Wayne, PA *Data Specialist/Lead Developer*   * Develops and performs quality control of domains based on CDISC SDTM standards using SQL and PL/SQL for Oracle 10g databases. Creates Oracle Warehouse Builder (OWB) mappings to perform the ETL on the data from clinical trials to format the data to FDA’s requirements. Uses SQL Developer and OWB routinely. * Creates OWB Experts and PL/SQL procedures and functions to automate data conversion and validation tasks.  Writes programs in Tcl to automate tasks performed by OWB developers. | | |
| November 2007 to July 2008  Johnson and Johnson, Inc.              Exton, PA *Database Programmer/ETL (Contractor)*   * Assists the database team with the extraction, transformation, and load (ETL) of data in the transactional database to the data warehouse using Informatica tools.  Writes mappings, creates the sessions, and schedules the workflows for new projects to enhance the data warehouse. Uses Toad for Oracle routinely. * Modifies the Oracle 9g data warehouse as needed for projects.  Writes Oracle stored procedures and functions to implement tasks in Informatica mappings. * Provides implementation details in the project task outlines. | | |
| April 2007 to January 2008  Harmony Designs, Inc.              West Grove, PA *Web Programmer (Contractor)*   * Uses PHP and JavaScript to implement web programming for creating and ordering personalized gifts and souvenirs. * Maintains and modifies MySQL database (with PHP for connectivity) to support company's Internet-based and administrative needs. * Creates new pages using HTML for new products and services. * Uses CSS to implement consistent page styles throughout the website. | | |
| 1989 to 1999 and 2000 to 2007  Environmental Standards, Inc.              Valley Forge, PA *Senior Quality Assurance Chemist II*   * Administers a MS Access database of international laboratories. * Writes performance evaluation programs to monitor laboratory quality using Visual Basic in MS Excel. * Administers a database of analytical methods using MySQL with PHP front end. * Routinely uses MS Word, Excel, Access, MySQL, PHP, and PowerPoint. | | | |
| Spring 2007  Montgomery County Community College                Blue Bell, PA  *Instructor*   * Taught class in Introduction to Visual Basic.NET. | | | |
| Spring 2006  ITT Technical Institutes, Inc.                King of Prussia, PA  *Instructor*   * Taught class in Visual Basic with Introduction to Databases and Graphical User Interfaces. | | | |
| 1999-2000  Shared Medical Systems, Inc.                Malvern, PA *Database Administrator*   * Maintained testing database servers used for software development. * Installed and tested software upgrades and patches. * Organized and tested SQL files for software upgrades and releases. * Trained in version control software, MSSQL 7.0, MS Windows NT, MS Visual Basic, and proprietary software. | | | |
| Education | | | |
| 1998 – 1999     Pennsylvania State University                     Malvern, PA   * M.S., Information Sciences.  Coursework focused on programming and software development. |
| 1989              West Chester University                              West Chester, PA   * Coursework towards M.S. degree in Mathematics |
| 1986              University of Arizona                  Tucson, AZ   * B.S., Chemistry, minor in Mathematics.  Classes emphasized analysis of environmental samples for metals and inorganic parameters. |
| Publications | |
| * Lancaster, D.J., R.J. Vitale, D.R. Blye, and R.L. Forman.  “Method Detection Limits: A Data User’s Perspective.” Twenty-first Annual National Environmental Monitoring Conference, Washington, DC, 25-27 July, 2005. * Lancaster, D.J. and R.J. Vitale.  “Whole Effluent Toxicity Laboratory Testing: Lessons Learned from Auditing Method Compliance, Technique, and Documentation.”  BP Soil and Groundwater Center for Expertise Annual Meeting, Houston, TX, 30 September - 2 October, 2002. * Lancaster, D.J.  “Forcing the Initial Calibration Curves Through the Origin in SW-846 GC and GC/MS Analyses.”  Eighteenth Annual Waste Testing & Quality Assurance Symposium.  Arlington, VA, 11-14 August 2002. * Lancaster, D.J., S.T. Zeiner, and R.J. Vitale.  “Negative Effects of the ‘Grand Mean’ Calibration Approach on Generated Internal Surrogate Compound Recovery Limits.”  Seventeenth Annual Waste Testing & Quality Assurance Symposium.  Arlington, VA, 6-10 August 2001. * Lancaster, D.J. and R.J. Vitale.  “An Evaluation of Methods for Quantifying Polychlorinated Biphenyls in Environmental Samples.”  The New Alchemist, American Institute of Chemists National Meeting.  Las Vegas, NV, 4-6 September 1997. * Lancaster, D. J.  “The Generation of Calibration Curves for Multi-Point Standardizations Displaying High Relative Standard Deviations.”  Eleventh Annual Waste Testing & Quality Assurance Symposium.  Washington, DC, 23-28 July 1995. |
| REFERENCES |
| * Judy Tran, Project Manager, Octagon Research Solutions, Inc.  Phone: 610 405 9841. * Eric Waddell, Database Developer, TD Bank. Phone: 215 260 0467. * Mark Juliano, Scrum Master/Project Manager, Vanguard, Inc.  Phone: 267 250 3033. |