NEIL DULOHERY

SAS AND SQL ANALYST - SAN FRANCISCO BAY AREA

http://www.linkedin.com/in/neildulohery

EXPERIENCE

CONSULTANT AT WELLS FARGO: Modis Inc., 10/2009 to 03/2012

Consultant to Wells Fargo's Wealth, Brokerage, and Retirement group. Extracted, analyzed, and presented information from diverse databases including Teradata, Informix, DB2, and SQL Server using SAS and SQL. A lead SAS analyst on major projects in marketing, compliance, and merger communications. Automated ETL, data mining, and reports in PC and Unix SAS. Wrote business requirements and UAT test cases for data marts and software.

FOUNDER AND PRESIDENT: Whitmarsh Associates, Inc., 1/2005 to 10/2009

Consultant in business process design, software design, and software development. Developed fully automated reporting, data visualization, and web-based dashboards in SAS. Wrote business requirements and functional design specifications for supply-chain software.

IT PROJECT MANAGER: Smurfit-Stone Container Corporation, 6/2003 to 12/2004

Project manager to automate processes in accounting, logistics, and supplier communications for an international manufacturer. Formed and lead project teams to gather requirements from business units. Collaborated with external developers. Leveraged SAS and SQL to profile source data and automate reports.

TECHNICAL ANALYST: Smurfit-Stone Container Corporation, 10/1999 to 5/2003

SAS and SQL analyst providing decision support to senior managers. Extracted, integrated, and analyzed information from large relational databases such as Oracle, DB2, and SQL Server. Produced analyses regarding finances, logistics, and commodities. Developed a web-based executive information system in SAS. Automated accounting processes in SAS/AF.

RESEARCH COORDINATOR: Smurfit-Stone Container Corporation, 10/1997 to 10/1999

A project leader for forest productivity research. Managed and analyzed data from internal research, operations, and outside sources using SAS and SQL. Proposed and evaluated business strategies, investment alternatives, and research projects. Provided decision support to senior managers and technology transfer to the field. Represented the company in research and development cooperatives.

RESEARCH FORESTER/SCIENTIST: International Paper Corporation, 2/1996 to 10/1997

Responsible for aspects of forest productivity research throughout the southeastern United States. Designed, reviewed, and analyzed scientific research. Analyzed, interpreted, and reported data from research and operations using SAS. Represented the company in research and development cooperatives. Transferred technology to operations.

SOIL SCIENTIST: USDA-Forest Service, 2/1993 to 2/1996

Member of leadership team for a Department of Energy environmental restoration project. Coordinated among project participants: the DOE, USDA, and Westinghouse. Designed, implemented, and analyzed field research. Developed software to automate statistical analyses. Authored peer-reviewed science publications.

PREVIOUS

Peace Corps, Philippine DENR, 1990. *Research Technician,* USDA Forest Service, 1988-99. *Research Technician,* University of Georgia, 1988-89, software dev., research, and analysis.

EDUCATION

MASTER OF SCIENCE: Forest Resources, University of Georgia, 1993.
BACHELOR OF SCIENCE: Forest Resources, University of Georgia, 1989.

SKILLS

Automation of data analysis, information delivery, and ETL. Complex business-intelligence reporting. Information visualization. Data mining and cleansing. Strong familiarity with relational database structure and design. SAS programming in Windows and Unix environments (BASE, ACCESS, MACRO, STAT, GRAPH, AF, ODS, CONNECT). Over 20 years of SAS experience. Expert SQL analyst. Some PL/SQL and VBA. Databases: Teradata, Oracle, DB2, Informix, SQL Server, and Access. Other tools: Cognos, Crystal Reports, Visio, MS Project, and office productivity software. Subject matter experience: financial services, supply chain, accounting, and scientific research. SAS Certified Professional.

KEY ACCOMPLISHMENTS

AUTOMATION OF MERGER PROCESSES

As the merger of two large institutions progressed, I collaborated with a program manager to reduce analyst staffing requirements through SAS automation. We surveyed the work of an analyst team and indentified opportunities to automate data flows and reports. Consolidating processes into automated SAS jobs that I programmed contributed to $6 MM in savings versus the budget.

CLIENT ALIGNMENT REPORTING

Additional insight was required to align wealth-segment clients to appropriate marketing channels. I collaborated with business partners to develop in-depth reports and related business processes. Report production was automated in SAS to integrate information from diverse sources and produce multi-tab, formatted Excel workbooks. These spreadsheet reports enable advisors to screen their clients, provide guidance regarding required actions, and enable hyper linking directly from the report to the corresponding CRM screens for each client.

WEB-BASED INFORMATION DASHBOARDS

Purchasing managers for manufacturing plants throughout the United States lacked a timely view of performance relative to targets. Following best practices for data visualization, I designed and developed interactive information dashboards presented as web pages that are refreshed hourly. These SAS-based dashboards enable managers to monitor their areas of responsibility in near real time. Information is presented in the context of targets, forecasts, and history familiar to the viewer. Visual cues direct attention to actionable concerns. Users can drill-down from the main dashboard to supporting detail, which includes additional graphical displays, interactive maps, and reports. In service since January, 2009.

SUPPLIER PAYMENTS AUTOMATION

Specialized payment processes of a legacy system required immediate replacement. I designed and developed a SAS/AF application for use by accounting personnel with the following capabilities: 1) extract data from Oracle and Access, 2) process the combined data and calculate payments, 3) generate statements and other reports, and 4) write the results to Oracle. This interim solution was replaced by enhancement of the primary purchasing system, a project for which I was the lead business analyst.

SUPPLIER COMMUNICATIONS AUTOMATION

An accounting group required automated distribution of financial statements to hundreds of suppliers. I lead a team to gather the requirements and authored the functional design specifications and data model. I then collaborated with contract developers to produce the required software. The solution replaced clerical work flows and improved the relevance of reports. In service since 2004.

ENTERPRISE COST MODEL

Meaningful comparisons of raw material costs were hindered by differing levels of refinement, yield, and points of delivery. I designed and developed a SAS model to estimate the true cost of these diverse sources. The flow of materials from acquisition through conversion and distribution was modeled for accurate cost attribution. Results are presented as interactive, web-based visualizations and tabular reports. This model is also used to simulate scenarios for strategic planning. In service since 2001.

EXECUTIVE INFORMATION SYSTEM

A suite of analytics and visualizations lacked continuity. I implemented a web interface for unified presentation of this diverse information. This system provides decision support to senior managers for strategic planning. Included are interactive visualizations, maps, and reports with drill-down to supporting detail—all produced by a SAS process. In service since 2001.

ON-DEMAND REPORTING

Managers and field personnel lacked access to information in a newly implemented Oracle database. A report team, of which I was a member, implemented Cognos Web Reports and provided on-demand reports for users throughout the United States. I built Oracle views to streamline queries.

ENVIRONMENTAL DATABASE

An environmental compliance group required better reporting of field inspection results. I developed an Access/VBA application and database to collect and store information from field inspections and generate the required reports.

STATISTICAL ANALYSIS

Our research and development group had access to a large volume of raw data from scientific studies. I developed a suite of SAS programs to automate data integration and analysis of experimental results, instrument readings, and operations data. 1997-98.