

Bill Qualls

As a senior developer at First Analytics, Bill assumes responsibility for the design, development, and maintenance of both ad hoc and production systems. He brings over 38 years of IT experience to our clients. As a long time teacher, he has a gift for explaining complex topics in ways which are easily understood.



General Expertise

- SAS programming, including macros.
- Java programming, including applications, applets, and servlets.
- Hadoop “big data” programming.
- HTML, JavaScript, Ext.js, XML.
- System architecture.
- Full systems life cycle.
- Object oriented analysis and design.
- Data modeling and database design.
- Structured Query Language (SQL).
- Mainframe expertise (TSO/ISPF, JCL, COBOL, BAL, CICS, VSAM, DB2, SyncSort).

Background

DePaul University

Adjunct Faculty

- Prior to relocating to Michigan, Bill was an adjunct faculty member in DePaul University’s Master of Science in Predictive Analytics program.

Utilities International

Senior Associate

- Developed Java applications including role-based security, data export, XML schema constructor, database-driven customized menuing, stored procedure management, and financial graphs.

Caliber Data Training

Vice-President of Curriculum and Instruction

- Taught 342 engagements of 60 different IT courses from 2000-2007 with consistently outstanding reviews.
- Developed 44 different IT courses from 2000-2007.

Waubonsee Community College

Assistant Professor of Mathematics and Information Systems



Analytic Domains

- Needs analysis
- Data modeling
- Data normalization
- Entity-Relationship diagramming
- Star schema
- Unified modeling language
- Design patterns
- Programming
- Data munging
- Descriptive statistics
- Inferential statistics
- Regression analysis
- Machine learning
- Neural networks
- Decision trees
- Naïve Bayes classification
- Intelligent information retrieval
- Factor analysis
- Time series
- Artificial intelligence
- Market Basket Analysis
- Text Mining
- Sentiment Analysis
- Statistical Quality Control
- Technical Writing
- Technical Training

Education

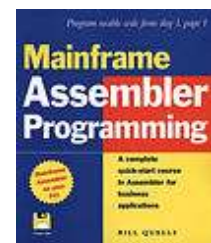
- MS, DePaul University, Predictive Analytics
- MEd, Northern Illinois University, Instructional Technology
- MS, DePaul University, Applied Mathematics
- MBA, Keller Graduate School of Management, Information Systems
- BA, Whittier College, Accounting

Professional Certifications

- SAS® Certified Advanced Programmer for SAS® 9
- SAS® Certified Statistical Business Analyst for SAS® 9
- Sun Certified Java Programmer
- PMI Certified Project Management Professional
- Cloudera Certified Developer for Apache Hadoop
- Cloudera Certified Administrator for Apache Hadoop
- Microsoft Certified Advanced Analytics

Publications

- Mainframe Assembler Programming
Wiley Computer Publishing (1998)



Other Tools

Analytics



Conferences



Operating Systems and Platforms

