

# Robert J. George

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## Software Developer / Architect

Detail oriented IT professional with a combination of business and technical acumen and a reputation for getting the job done. Possess expertise in design, development, testing and implementation across many platforms. A leader by example.

<i>Platforms</i>	Windows, Linux (RedHat, Oracle Enterprise Linux), UNIX(AIX), Mac OS
<i>Programming</i>	ASP.NET(C#), PL/SQL, jQuery, JavaScript, HTML, XML, PHP, Perl, UNIX shell scripting, Jython, some exposure to Objective-C, Visual Basic
<i>Databases</i>	Oracle 11g, Oracle Exadata, SQL Server, MySQL, PostgreSQL
<i>Middleware</i>	IBM WebSphere, Oracle Service Bus, Oracle BPEL Process Manager
<i>Tools</i>	Visual Studio, SQL Developer, TOAD, Autosys, Microsoft Office Suite

## Professional Experience

### Momentum Technical Solutions, LLC. (January 2014 - Present)

*President*

- Chief architect and developer

### Giant Eagle, Inc. (December 1998 - Present)

#### **Data Warehouse Group**

*Technical Consultant - Data Warehouse (May 2003 - Present)*

*Senior Programmer/Analyst - Data Warehouse (June 2000 - May 2003)*

- Developed a near real time retail transaction trickle system utilizing IBM WebSphere, Oracle Service Bus, .NET web services, and Oracle BPEL process Manager. This system processes over 1,500 retail transactions per minute during peak hours to a JMS topic and Oracle database for downstream consumption.
- Lead the effort to research and implement Hybrid Columnar Compression saving nearly 7 TB of disk space.
- Successfully lead migration of the 15 TB data warehouse to one of the first Oracle Exadata machines implemented in the US.
- Lead and actively participated in successive migrations to Exadata V2 and Exadata X3.
- Actively lead the design of data warehouse tables including the process of data normalization and denormalization, index design, constraints, grants and auditing.
- Write complex SQL statements, PL/SQL programs, and UNIX shell scripts required for data warehouse ETL processes. Load millions of rows of data per day.
- Write and maintain utility packages for the data warehouse that handle routine procedures such as table and partition management, job and process management, and file

- management.
- Develop web reports and applications utilizing ASP.NET(C#), Javascript, jQuery, AJAX, and Web Services.
- SQL and PL/SQL tuning
  - Write queries to retrieve data from tables containing more than 20 Billion rows.
  - Use explain plan to determine optimizer's execution path for a given SQL statement and use hints to suggest modifications to the execution path if necessary.
  - Research tables used in query and determine if an index is available. Make suggestions for indexes that would improve performance.
  - Review statistics in the Oracle data dictionary to determine resource intensive queries.
  - Use the PL/SQL profiler tool supplied by Oracle to determine which lines of code in a PL/SQL procedure take the most time to execute.
  - Some exposure to TKPROF output
- Develop and implement test plans.
- Troubleshoot and maintain software packages.

### **Corporate Client Server Systems Group**

*Programmer/Analyst Advisory (December 1998 - June 2000)*

- Developed client/server applications utilizing Visual Basic or Microsoft Office products. Used ODBC and ADO/RDO/DAO record sets to gather data from Oracle or Microsoft Access databases.
- Wrote custom programs in Visual Basic, MS Access, Oracle, MS Excel, and MS Word to support business initiatives
- Completely rewrote an antiquated Worker's Compensation claims administration system using Visual Basic and Oracle.
- Developed and implemented test plans.
- Provided support for as many as 40 applications including in-house developed applications and vendor packages.

### **Allegheny Health, Education, and Research Foundation (AHERF) (January 1997- December 1998)**

*Senior Programmer/Analyst*

- Wrote efficient, maintainable, complex programs to meet the document imaging needs of the organization.
- Developed document imaging solutions utilizing Visual Basic and FileNet custom controls.
- Participated in the design, development, testing and implementation of a document imaging solution for the Accounts Payable department.
- Lead developer for the document retrieval portion of the document imaging solution for the Accounts Payable department.
- Provided support for in-house developed and commercial document imaging applications.
- Designed, developed and implemented an automatic support notification system that monitored the FileNet servers and OSAR (optical storage) devices and alerted on-call support personnel via pager.
- Designed, developed and implemented a batch system log file summary program that searched for errors and warnings and provided a summarized report of areas that required attention. This system significantly reduced man hours in application support.
- Held the lead position in a project to move AccountLink desktop users to Windows 95 from Windows 3.1.
- Wrote UNIX shell scripts and SQL queries/reports as needed.
- Provided backup UNIX administration and Oracle DBA support.

### **Medic Computer Systems (April 1995 - January 1997)**

### *Conversion Programmer / System Administrator*

Coordinated conversions for North East U.S. Region with account managers.

- Managed project work for one contractor.
- Collected data from tape, disk or used laptop to emulate a printer on the third party physician practice management system.
- Used MicroFocus COBOL, shell scripts, awk, sed, and C to write conversion routines to convert third party data and/or reports into the +Medic data format.
- Wrote a contact management application in Turbo Pascal that stored client contact information in addition to notes pertaining to every phone conversation. This application facilitated an open environment where any conversion coordinator could handle calls for any region.
- Wrote the first standard full detail conversion utility which saved time and money in future full detail conversions.
- Wrote an interface program to take a common format file for demographic only or balance forward conversion data and load it into the +Medic software – thus reducing effort required by conversion department for future conversions.
- Responsible for system administration of four AIX servers and one SCO UNIX server.

## **Additional Experience**

### **Freelance Web Developer (September 2004- January 2014)**

Worked as a freelance web designer and developer, creating and maintaining websites and applications for parent teacher organizations, home owner associations, and small businesses. Experience included custom development and application enhancements with technologies including .NET, PHP, SQL Server, MySQL, PostgreSQL, osCommerce, PostNuke, Apache, Google Sites and Analytics, HTML, JavaScript

## **Education**

### **Computer Tech**

Associate in Specialized Business Degree  
Major: Computer Information Management  
GPA: 3.99

### **Robert Morris University**

Bachelor of Science in Business Administration  
Major: Management Information Systems  
GPA: 4.0 (Summa Cum Laude)

### **Robert Morris University**

Master of Science  
Major: Internet Information Systems  
GPA: 4.0 (Summa Cum Laude)

## **Honors / Awards**

- Star Performer Award, Giant Eagle, Inc.
- Team Achievement Award, Giant Eagle, Inc.

- Presenter, Oracle Open World Conference, 2009
- Sigma Beta Delta International Business Honor Society

## Certifications

