**Anwar ulMohammad**

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| **OBJECTIVE** |

To acquire an IT position within a group that will utilize my computerexpertise and will help bring in long-term experience of developing, implementing, maintainingSystems Analysis and Design of Information System Projects.

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| SKILLS AND EXPERIENCE |

**COMPUTER LANGUAGES:** C, C++, JAVA, PL/SQL, Visual C++, Oracle 7.0, Pro\*C (Embedded SQL), Visual Basic, LISP, FORTRAN, Lotus notes, HTML, Prolog, Assembly Language, MOTIF 1.2, SQL, MS SQL server, OMNIMARK, XML, Arbor text, EPIC 4.0, PERL/UNIX Shell Scripting, CSS, JavaScript, Ajax,XML.

**WORKSTATION:** SUN SPARCstation, IBM PowerPC (RS/6000).

**OPERATING SYSTEMS:** UNIX (SUN OS, System v), AIX 4.3, X Windows, Macintosh,

MS-DOS, Windows 95, Windows NT, Window XP.

**DEVELOPMENT TOOLS:** Visual Studio.NET, Visual Studio 6.0.

**.NET FRAMEWORK:** ADO.NET, ASP.NET,VB.NET

**PACKAGES & UTILITIES:** MS Office**,** MS Word, MS Excel, MS Visio, SSRS, PowerPoint, Crystal Reports

**DATABASES:** ORACLE 10g, SQL Server 2000/05, MS ACCESS.

**SERVERSIDE TECHNOLOGIES:** Mod\_perl, Servlets, JSP.

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| **WORK EXPERIENCE** |

**Senior Software Architect Nov2009 - Present**

**MultiAd®**

1720 W.DetweillerDr,

Peoria, IL-61615

**Technologies used**: UNIX OS , UNIX shell scripting, Oracle RDBMS programming, SQL , Mod-Perl, Apache Web server, FTP, HTML, JavaScript, AJAX, CSS, XML and other current web technologies.

**Web Technologies** : AJAX, JSON, JavaScript DOM.

Currently developing and maintaining enterprise class websites and web enabled business applications for Fortune 100 companies. Aiding in planning, development, implementation and maintenance of administrative computing processes.

Responsibilities

1. Working with team members to debug problems that arise throughout all aspects of projects, including user interface elements, i.e. **JavaScript** and **HTML**, server side applications, i.e. Mod-**Perl**, and back end applications, i.e. Oracle and other servers.
2. Involved in developing/coding several custom web applications for clients like PNC, Wal-Mart,Chamberlain,Masco, 3M Industrial which included administrative entry, shopping carts, flyer/brochure generations,covering products, promotions the code is written in **Perl** against an **Oracle SQL** data source.
3. Writing code for front-end data collection applications with **Perl, HTML, JavaScript** and CSS on Apache. Writing import processes to pull data from vendors; Imports are written in **Perl** or **PL/SQL**, often using XML file formats/excel formats.
4. Lead developer on custom Web applications writing specifications, designing relational,normalized databases, and managing client acceptance along with integrating various credit card gateways, client databases, cart and catalog software using **Perl, mod\_perl, Apache, MySQL and Unix**.
5. Ported in-house time-tracking system to Perl/MASON platform; added major enhancements, requiring several new tables, including importing saved timesheets from a different format like MS Excel or Notepad.
6. Involved in designing and implementing both Internet and Intranet sites using **JSON** as a communication between the server side written in Perl and the client-side written in **JavaScript** and **HTML**.
7. Performing production releases, debugging production problems and day to day restart of apache servers or running of cronjobs.

**Software IT Analyst III July 1998- Dec 2008**

MPSD IT (**Caterpillar**)

NE Adams,

Peoria, IL61630

**Technologies used:**Java, VC++, C, C++, PRO\*C, PL/SQL, SQL Server, PERL Scripting, SSRS (SQL Server Reporting Services), MS Access, AIX/UNIX Korn Shell, Awk, Perl, SQL, Syncsort, Windows XP, Motif 1.2, OMNIMARK, Visual Studio.NET, Peregrine Tracking Tool.

More than 10 years of experience in design, development of techniques for maintaining, enhancing, and expanding Caterpillar’s information technology infrastructure. The software that I develop is common to a vast array of software applications used by MPSD-Global Channel & Marketing Support customers. I ensure that my team is compliant with corporate software development processes including: requirements gathering, software documentation, test plan development, software design, writing code and code reviews. I also manage my projects and ensure timely delivery of software.

Responsibilities:

* Was involved in the design, development/coding and support of 36 different Caterpillar book building applications and writing modules for the enhancement of the user interface of the applications. The applications for SIS AUTHORING Caterpillar are written/coded in **Java, VC++**, **C, C++, PRO\*C, PL/SQL, SQL Server, PERL Scripting, SSRS (SQL Server Reporting Services)** which also involves **Motif 1.2** on **Xwindows**and **OMNIMARK/XML** language on **AIX 4.3** as well as **PC** (Windows based) platform for **LAN/WAN** which are used for the interface purposes. Providing Knowledge base for complicated development of Caterpillar internal manual Book building processes.
* Was involved in building and maintaining very large, complex CATERPILLAR projects using **Unix**. Very familiar with Unix system capabilities (general programming interfaces, network programming using **TCP/IP**, shared memory, multiple processes, signals, etc.) also making use of the customary Unix programming tools, such as make, RCS/CVS, shell scripting and other "little languages", such as python, awk, etc.
* Was involved in Design and development of operational reports (**SSRS 2005**) for Caterpillar Inc's various **MS Access** and **SQL Server** based databases. Recent projects involved extraction and consolidation of data from various **MS Access 97, Excel** based legacy systems, and loading that data into **SQL Server 2005**.
* Was involved in Level III Application support of Caterpillar Inc. applications written in C/C++ programming language by debugging those applications to fix errors using the debugging tools provided by the **Visual Studio.Net** IDE and simultaneously developing windows applications, web applications, windows services and web services **in Microsoft Visual Studio.Net** IDE using **VB.net** and **SQL server**.
* Was involved in 24hrs on call support of customers/end users by resolving the issues using Peregrine tracking tool.
* Wrote code to incorporate changes in the major functionality of the software and attending support calls from users whenever there is a new production release.
* Familiar with open source tools, using common software (compilers, tools, libraries) and building from source.
* Managed forced changes/infrastructure upgrades and installs for the below

Oracle 9i to 10g upgrades Canvas 11 upgrade

Vis Mockup CTE recompile for AIX & Oracle

MKS 9.1 Xserver Upgrade for LAN usage

Pro/E & Wildfire Upgrade Email migration to Lotus Notes

### Windows Vista Omnimark Upgrade

Plexus Upgrade Arbortext 5.3 Upgrade

Windows Server Virtualization Tarantella Upgrade

Arbortext to EPIC Upgrade

* Provided database expertise using **ORACLE 10g** forSIS AuthoringCaterpillar tools, which are used for printing of the parts manuals or machine manuals for machines like Earthmovers, Tractors etc. which CATERPILLAR manufacturers.
* Developed and implemented dozens of automated batch processing jobs, running in numerous development, test and production environments, involving hundreds of **Unix Bourne, "C", and Korn shell scripts, Unix utilities**, and occasional short SQL scripts.
* Was involved in developing automated regression scripts using **Korn shell and awk and Perl** jobs to implement the business logic.
* Automated nightly Batch Summary reports, converting 3½-hour manual task to two minute automated process, using **Unix shell scripts** and utilities, resulting in considerable manpower savings.
* Applying 6-Sigma methodologies to critical business systems to ensure that the software is reliable and cost effective.
* Was involved in various 6 Sigma projects as a subject matter expert, which involved product development processes all the way from Core-method One to current SIX Sigma standards.

**6 SIGMA PROJECTS**

* Lead a 6-sigma project to improve our section’s software coding standards in SIS Authoring. The existing coding standards are not followed by software developers, which results in architects spending more time checking for software conformance to coding standards, rather than reviewing software design and conformance to customer requirements. The new coding standard guidelines and their enforcement will result in improved software quality and reduce software rework cost.
* Lead a 6-sigma project to deploy a static code analysis tool in all the 36 application in SIS Authoring Caterpillar. Use of a static code analysis tool will automate some of the basic code checks that architects must do, which allow them to focus their valuable time on reviewing key design elements. A static code analysis tool will improve software quality and reduce software rework cost.

**Programmer Analyst May 1997–June1998**

XATA ENTERPRISE TECHNOLOGIES

2404 West Nebraska, Peoria, IL

**Technologies used:Visual Basic 5.0, MS Access,Visual Studio.Net , PL/SQL, Visual SourceSafe.**

1 year of experience in design and development of tracking software for RYDER truck equipment. I developed software systems that interfaced with GPS location of the trucks. I managed my projects and ensured timely delivery of software. I worked with my test engineers to ensure that the software was tested and delivered on time.

I also worked with RYDER truck’s hardware supplier to manage work order tracking software releases to the factory. I negotiated software release costs with the supplier, managed new part numbers, including notifying the factory of the upcoming software updates and new part numbers accompanying them.

Other responsibilities included

* Design, Development of Desktop Dispatch Software for freight management services of Ryder Trucks.
* Involved in writing of Desktop Dispatch Software which incorporated extensive use of features in **Visual Studio.Net** like call stack, command window, breakpoints, tracing, variable inspection, and variable modification as applied both to debugging ASP.NET pages and **Visual Basic .NET** for Ryder Trucking Company for keeping track of purchase orders.

Desktop Dispatch uses **VISUAL BASIC** as front end and **MS ACCESS** as Database. The project involved writing queries in **PL/SQL** such as querying the database, updating the database and deleting from the database accessed from the **VISUALBASIC** forms used as front end.

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| **HONORS** |

1. "**Programmer of the Month**" award From **XATA Enterprise Technologies** for the Month of September 1997
2. Academic excellence scholarship from **BradleyUniversity.**

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| **RELEVANT COURSES** |

* 6 Sigma Green Belt
* Operations Management
* Software Engineering

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| **EDUCATION** |

**M.S in Computer Science Dec1998** BRADLEYUNIVERSITY

**Bachelor Of Engineering (Mechanical Engineering) August 1991-95**

DECCANCOLLEGE OF ENGINEERING & TECHNOLOGY

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| **REFERENCES** |

* Additional references provided upon request.