



SAMPLE RESUME FORMAT

OVERVIEW:

- **Five years of strong experience in software Analysis, Design and Development and Testing using C, C++, COBOL, Pro*C, VC++ on Windows and Unix , HP3000, HP9000 environment.**
- Good at **OOAD** and used **UML extensively along with Rational Tools**. Had to extensively practice **OOPS** concepts during the Assurant projects. To sum up has a good exposure to OOPS concepts and Design Patterns.
- Expertise in Front End development on Windows using **VC++** and Visual Basic.
- Excellent understanding of **Software Usability** and designing user friendly GUI's
- Experience in Microsoft Access, **SQL, PL/SQL, AllBase.**
- Worked through all the project life cycle **SDLC** (Software Development Life Cycle), starting from high level design to system/integration testing. Involved in lots of development and review teams for SDS (System detail specifications), TSD (Technical specification documents), coding, test cases / test plans, unit testing/ system testing / integration testing.
- Worked a lot on **RPC** in **HP COBOL**. As we have to call modules on referral location as well we needed to use extensively this technique.
- **Knowledge of advanced level programming in C/C++ like thread synchronization multithreading, multi processing, concurrency and TCP/IP Socket Programming.**
- **Experience in Test Case Design and Development. Experience in HTML, XML.**
- Good knowledge of **Software Quality processes**. Worked as an **External Review Team** member for few projects.
- **Excellent Team player** and ability to develop productive relationships in the work place. **Won Valuable Contribution Awards for first quarter 2005. Received 3 team awards for the year 2004 – 2005.**
- Good in getting acquainted with latest technologies and implementing innovative ideas and solutions for a problem. Good at analytical skills and always strives for working out an efficient product. Excellent as a team player and can also work at individual level.

HARDWARE/SOFTWARE/TOOLS:

Languages	C, C++ on UNIX and Windows , Visual C++, Pro*C, Visual Basic, COBOL, Shell Scripting
UNIX Utilities	Sockets, TCP/IP, and FTP, UDP
Web Technologies	HTML, VBScript, XML ASP
Operating Systems	Windows, HP-Unix, HP3000/HP9000
Databases	AllBase, SQL, PL/SQL, Oracle, Microsoft Access
Source Code Control	MS Visual Source Safe, RMS
Testing Tools	Trax on HP3000, GDB on UNIX
Other Technologies:	WebSphere MQ Queues, Rational Rose, Sybase

EDUCATION:

Bachelor of Engineering, University of Sample Resume



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EMPLOYMENT HISTORY:

ZXY Corp Chicago , IL, USA

Title: Senior Software Engineer

Nov 2005 – Present

Environment: C++, Pro*C, C, SQL, HPUX, TCP/IP, UDP

Project: DHCP Relay application for catastrophic systems.

Satellite kits are distributed to catastrophe teams following a storm to allow the teams to communicate with Corporate, over the network, until such time that a T1 line can be installed. (1) When client hardware (computers, VOIP Services, etc.) is attached to the network it starts to broadcast its desire for a DHCP address. (2) Once the VSAT router sees this request it converts it into a directed IP packet to the primary DHCP server. (3) The packet transverses the satellite connection and is (4 & 5) finally delivered to the DHCP server. The same scenario occurs when the client machine tries to renew its address except that the request goes directly to the primary DHCP server instead of broadcasting its request.

Responsibilities –

- **Developing XML interfaces, creating Class structures in C++ and coding it**
- **Developed C++/XML interface for circuit automation**
- **Coded and implemented event handler in C++.**
- **Involved in trouble shooting the issues in production and bug fixing programs in C**
- **Involved in requirement gathering meetings, brainstorming sessions and detailed design meets.**
- **Fine Tuning SQL's and Pro*C code.**
- **Do the System Testing and work on the CSM switches which cannot be handled at offshore.**
- **Do extensive code reviews and suggest optimization if needed. Helped offshore in optimizing the code by implementing multithreading instead of multiprocessing.**
- **Did analysis to create a TCP/IP session to make CSM switch work used for data transfer reliability.**

Acme Corp, Springfield IL, USA

Title: Senior Software Engineer

May 2005 – November 2005

Environment: C++, C, SQL, Windows XP, STL, ATL, MFC, COM, HP300, XML, UNIX, WebSphere MQ Queues, Rational Rose, Sybase, Trax.

This project was to develop an interface between the **Claims Service Records (CSR on HP3000)** and a newly developed website for IBC. (Insurance Bureau of Canada). Purpose of creating the interface was to minimize the changes to the existing CSR. It was a Canadian legislative project and identified as a critical one. **On request by a Claims Agent, data was requested for CSR which was in a flat file format.** This was converted to XML by the application and sent to IBC website, where it was displayed. As the whole system involved lot of sub-systems and developers, project co-ordination was a great challenge.

Responsibilities –

- **Designed and developed code in C++ for communicating between Claim application on HP3000 and IBC website. Put forth the idea of Pattern Files, which removed all the elements of hard coding and made the design flexible.**
- **Involved in requirement gathering meetings, brainstorming sessions and detailed design meets. Meetings involved State Farm, and Sapient Inc. Canada who developed website for IBC.**
- **Analyzed, designed, and developed software tools in C.**
- **Handled Concurrency issues and incorporated Multithreading Concepts**
- **Fine tuning and performance tuning of SQL Database**



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- Design the application with Class diagram, Sequence diagram and Pseudo code through UML and rational rose.
- **Involved in the development of COM components using ATL, Visual C++, MFC and Visual Basic**
- Writing new COM components for the features like AVOD (Audio video on Demand) Parental lock and Passenger announcement.
- Involved in the development of COM components using ATL, Visual C++ and Visual Basic
- Data mapping between all the sub-systems involved, along with the data type requirements for was done. Designed and developed error logging which made finding the cause easier and quicker.
- Also developed a tool in Visual Basic, which was used to simulate the end-to-end testing between the CSR and the IBC site. As the IBC site was not developed during the project work, this tool simulated code at IBC end and aided entire testing cycle to be complete with the set timelines for the project.
- Involved in debugging high severity defects using gdb.

New Company LTD, New York, New York

Title: Senior Software Engineer

January 05 – April 2005

Environment: C, C++, XML, UNIX, WebSphere MQ Queues, Rational Rose, Sybase, GDB for testing

The scope of the project includes the development & Testing of interfaces between COMPASS and existing systems like Capitation Facts, Provider Facts, and Fulfillment.

Responsibilities –

- **Wrote C programs to generate test data for database tables**
- **Designed and developed code in C++ for communicating between Host components, MQ Series and Sybase.**
- Involved in requirement gathering meetings, brainstorming sessions and detailed design meets. This project was a POC based on which the further components were to be designed.
- Project planning, estimating and leading through software SDLC.
- Designed the application with Class diagram, Sequence diagram and Pseudo code through UML and rational rose. Also created system specs and technical specs for the project.
- Was instrumental in creating reusable components for file handling, Pattern files, Sybase database connectivity etc. These components were used by other projects for their development work.
- Wrote unit test cases as well system test cases for the whole application after analyzing all the scenarios. Also did the testing for the same.
- Involved in debugging high severity defects using gdb
- Was involved in test data creation and test data mapping between all the interfaces.
- **Created make files for module compilations and executable creations on the UNIX box.**
- During the project cycle was also involved in analyzing some CORBA APIs as they were to be used. But due to license issues the whole component was on the verge of scrapping out. Coordinated with client side technician and created a reusable component to connect to SYBASE and saved the efforts to re write the code again.
- Created code standards for company wide use, which were appreciated by the client.
- Set up some quality related processes like code review checklists, delivery checklist etc. for the client.
- Created test case format for the client which was accepted across the all the projects pertaining to



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the client.

My New Job Inc, Washington, D.C

Title: Senior Software Engineer

June 2004 – Jan 2005

Environment: C++, Pro C, XML, WebSphere MQ Queues, Rational Rose, Oracle, VC++.

Output distribution project was initiated to streamline the Policy Lapse Letters and Conservation Letter distribution process. Earlier the process was manually carried out and hence incurred cost to the client.

Responsibilities –

- **Developed code in Pro*C and C++ on UNIX, to retrieve data from the stored procedures.**
- Changed some **stored procedures in Oracle 8i**. Procedures changed were as per the Business Requirement needs.
- Designed the application with Class diagram, Sequence diagram and Pseudo code through UML and rational rose. Also created system specs and technical specs for the project.
- Converted the data retrieved into XML file and that XML file was put on the Message Queue from where the prints project picked it up and prints were fired.
- Designed and developed Test Cases and also did the testing for the project.
- Maintained a **Traceability matrix** for the project to ensure that each and every requirement is mapped down the line and thoroughly tested.
- Coded **Shell Scripts** for testing purposes.

My New Job Inc, Washington, D.C

Title: Senior Software Engineer

August 2003 – May 2004

Environment: C++, VC++, MFC, COM, ATL, ActiveX, Win32, OLE SQL Server, VB, Access, UNIX

Assurant had purchased a third party tool from SunGard for updating SYBASE master database with data entered in COMPASS component. The data coming from COMPASS was sent into a flat file. But the SunGard tool recognized the data only in form of XML. So the primary objective of the project was to convert this data format into XML format.

It involved 5 interfaces from COMPASS, which needed this conversion.

Responsibilities –

- **Created data handling code to convert this data into required file format using C++. This flat file served as an input to XML creator written in C++. The output was a XML which can be used for testing the third party tool**
- Developed Common classes in Visual basic and VC++.
- **Involved in the development of COM components using ATL, Visual C++ and Visual Basic.**
- Used **design pattern** techniques in modeling the components.
- The primary role was single handedly gather the requirements.
- The main aim was to create a replica of data stored on COMPASS side since the COMPASS database was not ready yet. So designed tables and created test data in ACCESS as per the need.
- Created VB forms a replica of COMPASS interface to create raw data which was entered in ACCESS tables.
- **Received an Appreciation from client fro developing this tool.**



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Farmers Insurance Co, USA

(October 2002 – May 2003)

Environment: C++, VB, Windows, NT, Access

The organization had gained a vast experience in Insurance sector a business domain. So to document this knowledge they had created a KI repository. The items added were also maintained as records in a KI management tool, from which they used to get reports and other information as per the need. The tool was created in VB and access, but it was not completed and the business logic of grouping the data was also changed over the period of time.

Responsibilities –

- The primary role was to single handedly gather the requirements.
- Divide the requirements in 3 parts, backend, business logic and front end.
- Design the database in access and forms in VB.
- **Implement the business logic in C++.**
- **Due to C++ implementation and OOPS concept the code was optimized and this helped the performance to improve drastically.**

Farmers Insurance Co, USA

Title: Senior Software Engineer

June 2003 – December 2003

Environment: HP – 3000/ IBM-3090 Mainframe, MPE-ax, Allbase/SQL

The goal of this project was to retrieve data pertaining to claim numbers, sent from web and create individual files for each of them. After this these files were to be FTPed to IBM. The project involved creation of System Design Specifications. It encompassed analysis and design.

Responsibilities –

- Lead a team of two through the SDLC. Analyzing the design and development needs by gathering the requirements.
- Troubleshooting the production problems and resolution in stipulated time period.
- Application leader for application development and performance issues.

State Farm Insurance Co, USA, EMedical Project.

(July 2002 – June 2003)

Title: Senior Software Engineer

Environment: HP – 3000/ IBM-3090 Mainframe, MPE-iX, Allbase/SQL

The purpose of the eMedical Project was to integrate the legacy CSR Claims System with the new Claims Component application, developed by Accenture. The main system objectives were to:

- Replicate and synchronize all required eMedical data from CSR Claims System to Claim Components.
- Integrate CSR with Claims Components
- Provide new updated functionality from Claims Components to CSR for a limited number of data elements

Responsibilities –

- Was actively involved in creating the 3 major components of this project. The three major areas were asynchronous data transfer, synchronous data transfer and initial data push.
- Core team member for creating the technical design documents for all the three components after which followed the code creation and other phases of project life cycle.



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- Was responsible in creating macros for test data creation to reduce repetitive job and also human intervention.
- Developed test cases covering all the system cases for all the three components.

Port Project – Migration of HP3000 to HP-UX and other tool development projects. (Handled intermediately between different projects)

- **RFP (Request for Proposal)** – State Farm had taken an initiative to migrate all of its applications from HP3000 to HP-UX. For this project, Patni Computer System submitted a RFP. I worked in the Core Team with technical analysis and played a vital role in the RFP.
- **Tool Development Team –**
 1. Core team member for porting the components to HP9000 which were not migrated. Tools used on HP3000 were studied, requirements were documented and **Shell scripts were developed in HP-UX** to build those utilities.
 2. Created VB tools for maintaining project efforts and other quality works.
- **External Review Team Core member**– State Farm had asked for creating a core team dedicated for reviewing the components developed by offshore. The work of this team was to gather the requirements of the project analyze them and review the code as per standards to deliver a defect free component to the client. While working with this team reviewed the code, test cases, unit and system testing of various projects worked at offshore. Also was instrumental in giving some suggestions to optimize the component.
- Worked as a Defect prevention representative for analyzing the defects logged and working out the action plans for reducing them. For e.g. to reduce coding defects designed some templates for specific patterns. Also found out the root cause of the defects and worked on creating some checklist which should be followed while reviewing the code.
- Also working as a Support Analyst for ECF workflow application. As a part of the Support activity, I am on-call 24x7. Along with this I need to do project setups of workflow application as per requirement, find the flaws in Business flow created by BP's causing issues in the application and maintaining the overall integrity of the application from CSR, Host as well as workflow point of view.
- Also imparted full fledged HP300 and HP Claims trainings for 3 batches.