



AMS Instructor/Consultant Data Sheet

AMS 3325

This IT Professional has **34+** years experience in the IT industry. Experienced developer with XML, XSLT, XSD etc. in the areas of Document Conversion, Data Conversion and Legacy System integration. Extensive SDLC Project Management experience in with Assembler Language, COBOL, CICS, DB2, MVS, TSO, ISPF, VM, CMS, and IMS as manager, tech leader, architect, and developer in IBM Mainframe environments. RDBMS, and Object Oriented Technology experience with – ASP, .NET, J2EE, XML, SQL, IIS, WebSphere, Java, C/C++, VB, COM, UNIX, Windows NT, TCP/IP, 4GL etc. is considered a specialist for product/system support software, systems manager and senior consultant.

PRODUCT SKILLS & CERTIFICATIONS:

VC	Course	Course Description
AP	ACCESS	Microsoft Access Application Training
AP	DOCSO	DOC's Open Application Training
AP	DOS	DOS X.x
AP	EXCEL	Microsoft Excel Application Training
AP	FRAMM	Adobe Frame Maker Application Training
AP	FRAMX	Adobe Frame Maker XML Application Training
AP	HTML	Programming using HTML
AP	NETWAR	Netware Basics End User Training
AP	NOTES	Lotus Notes Application Training
AP	NT	Windows 95/98/NT Application Training
AP	NT2	Windows NT 2000 Application Training
AP	OFFICE	Microsoft Office Application Training
AP	OL	Microsoft Outlook Application Training
AP	OL2	Microsoft Outlook 2000 Training
AP	PROJEC	Microsoft Project Application Training
AP	VB	Visual Basic Application Training
AP	VISIO	Visio Application Training
AP	WIN98	Microsoft Windows 98 Application Training
AP	WORD	Microsoft Word Application Training
AP	XML	XML Programming
CO	PRJCT+	Comptia Project + Program Training
CO	SECRTY	Comptia Security + Program Training
DB	ACCESS	Database Admin and Tuning using ACCESS
DB	DB2	Database Admin and Performance Tuning using IBM DB2
DB	INFORM	Database Admin and Tuning using INFORMIX
DB	ORACLE	Database Admin and Tuning using Oracle
DB	SQL	System Admin and Tuning using MS SQL
IW	1AIBF	Advanced Internet Fundamentals
IW	1BIBF	Basic Internet Fundamentals
IW	1HTML	HTML Fundamentals
IW	1JDBC	Enterprise Development JDBC
IW	1OSS	Operating System Security
IW	2CORB	Enterprise Development with CORBA & Java
IW	2JSCRF	JavaScript Fundamentals

IW	2NSF	Network Security & Firewalls
IW	2SATA	Security Professional Series
IW	2SATA	Security Audit, Attacks & Threat Analysis
IW	2TCP	TCP/IP Internetworking
IW	3ATCP	Advanced TCP/IP Concepts & Practices
IW	3PERL	Perl Fundamentals
IW	4IATCP	CIW Accelerated Intro/Advanced TCP/IP
IW	5DMT	Design Methodology & Technology
IW	5ECSP	E-Commerce Strategies & Practices
IW	5JPF	Java Programming Fundamentals
IW	5OOAD	Oriented Analysis and Design
IW	PS2NSF	Network Security and Firewalls
MF	ASMBLR	Assembler Programming Workshop (Beg, Inter, Adv)
MF	CICS	CICS Command-Level Programming
MF	COBOL	Programming using Cobol in a M/F environment
MF	DB2	Relational Programming for IBM DB2
MF	ENDEV	Computer Associates AllFusion Endeavor Change Manager
MF	FRTRN	Introduction to Programming in FORTRAN
MF	JCLA	Advanced OS390 MVS JCL
MF	JCLB	Basic OS390 MVS JCL
MF	MQSERI	IBM MQ SERIES TRAINING
MF	NATDB2	Natural 2 Programming for DB2
MF	QMF	DB2 / QMF Query Language Training
MF	REXX	VM/MVS/QMF REXX Programming
MF	UTILTY	Programming with IBM OS390 Utilities (Basic MVS Util, Adv, SyncSort)
MF	VSAM	Programming with VSAM
OS	390	OS/390 Program System Administration & Performance Tuning
OS	AIX	IBM AIX System Administration & Fundamentals Training
OS	HPUX	HP-UX System Administration & Fundamentals Training
OS	LINUX	Linux System Administration & Fundamentals Training
OS	NT	Microsoft Windows NT 4.0 System Administration & Fundamentals Training
OS	UNIX	UNIX System Administration & Fundamentals Training
OS	W2k	Microsoft Windows 2000 System Administration & Fundamentals Training
PG	.NETP	.NET Programming for C Programmers
PG	ACCESS	Programming with MS ACCESS
PG	ADO	Programming with MS ADO
PG	ADONET	Programming using MS ADO.NET
PG	AGILE	Agile Software Development Concepts
PG	APACHE	Administering Apache Web Server
PG	ASP	ASP Programming
PG	ASPNET	MS ASP.NET Program Training
PG	BINDV	Bindview LAN management software training
PG	BUSOBJ	BUSINESS OBJECTS TRAINING
PG	C	Programming with Microsoft C
PG	C++	Programming with Microsoft C++
PG	COBOL	Programming using Realia Cobol
PG	CORBA	Corba Program Training
PG	EJB	Enterprise Java Beans Training
PG	HTML	Custom HTML Program Training

PG	IIS	MS IIS Program Training
PG	INFORM	Informix Program Training
PG	J2EE	Programming with J2EE
PG	JAVA	Java Programming
PG	JAVA1	Fundamentals of Java Programming
PG	JAVA2	Advanced Java Programming
PG	JAVAJ	Java Programming with Jakarta Struts v1.1
PG	JAVAS	Introduction to Java Script
PG	JAVASP	Programming JAVA Server Pages
PG	JBLDR	JBuilder Program Training
PG	JDEDW	JD Edwards Training
PG	JDEDWR	JD EDWARDS Program Training
PG	JF441	Java Technology Fast Track Program II (inclusive)
PG	Legacy	Legacy System Program Training
PG	NETSEC	Network Security Fundamentals
PG	OOAD	Object Oriented Analysis & Design
PG	ORACLA	Oracle Applications Training
PG	ORACLE	Oracle Database & Software Training
PG	PERL	PERL Programming
PG	PLSQL	Oracle PL/SQL Programming
PG	PM	Project Management
PG	RROSE	Rational Rose Programming
PG	SAFES	Visual Safe Source
PG	SAS	Statistical Programming using SAS
PG	SQL	Programming using MS SQL
PG	UML	UML Program Training
PG	VB	Visual Basic Program Training
PG	VBA	Visual Basic for MS Applications (Access, Excel, PowerPoint, Project and Word)
PG	VBNET	MS VB.NET Program Training
PG	VBSRPT	Microsoft VB Script Program Training
PG	VISUAL	Programming with MS Visual Studio
PG	WEB	Building WEB Services
PG	WEBS	IBM Websphere Training
PG	XML	XML Program Training

WORK EXPERIENCE:

1989 – Present

Independent Consultant

- Consultant performing an evaluation Test Design Development for Mobile Data Communication System. This mobile data system consisting of 2500 vehicles, Motorola Wireless System (RD-LAP, VRM, DBS, RNC, WNG), Windows based Public Security System and Unix based Message Switching System to be tested for Performance and Load. Also analysis and debugging the system for performance degradation during load. Creation of test environment. Over all responsibility for test design and test system development.
- Technology involved programming for serial communication, winsock, lower level drivers, IPSEC and debugging of existing wireless system.
- Uses XML, XSLT and XSD for Document Data Formatting, Transformation and Extraction.
- GUI design and development using Java Swing and VB.Net for Host Application and Client Simulator.

Technology used

- **IPSEC, RD-LAP, Windows 2000, Unix, VB.NET, Borland C++, UDP, TCP/IP, winsock, VB6, COM, Java, AWT, Swing, TCL, WSH, XML, XSD, XSLT, DDK, Serial Communication, Ethereal etc.**

Roles

- **Research, Design, Documentation and Development**

OTHER PROJECTS USED:

United Parcel Services

Tradeability Data Export and Import

- Import, export and download of tradeability data from DB2 in MVS using COBOL stored procedures, Java/JDBC in XML or CSV format for web based application system.
- Creating Java drivers for creating tradeability data in DB2.
- Developing error and message transfer modules using MQSeries and MQI for all SP and batch programs.
- Redesigning/rewriting the entire export system for optimal performance and correct functionality.
- Developing shell scripts in OMVS batch processing for tradeability data export.
- Developing Java applications using DB2 SP, JDBC and J2SE for creation and viewing of tradeability data from workstations.
- Uses XML, XSLT and XSD for Document Data Formatting, Transformation and Extraction.
- GUI design and development using Java AWT and Swing.

Technology used

- **z/OS, MVS, MVSO, DB2, SQL Server, Oracle, Stored Procedure and Triggers, CICS, MQ Series, COBOL, Java AWT and Swing, XML, XSD, XSLT, WSAD, ODBC, JDBC, J2EE, Eclipse, DB2 Connect, DB2 Development Center, Expeditor, QMF, DB2I, SPUFI, CA/Platinum**

Roles

- **Design, documentation, specification, development/optimization of all tradeability export/import components and system integration**

Intellisys Technology

Principle Consultant

Legacy Data Access

- Develops web services for accessing legacy data in DB2 using .NET, J2EE and stored procedures.
- Develops middle tier for Web front-end for accessing legacy data residing in DB2 using stored procedure, serialized to XML file.
- Creates a temporary local store for legacy data in SQL Server 2000 and Oracle 9i for further queries and updating.
- Develops triggers/scripts to asynchronously update legacy data using DB2 SP.
- Develops Secured Sign On and authentication protocol using LDAP, PKI, improved Stream cipher and Hash function.
- Uses XML, XSLT and XSD for Document Data Formatting, Transformation and Extraction.
- GUI design and development using Java AWT and Swing, VB.Net.

Technology used

- **.NET, C#, VB.NET, IIS, MVS, MVSO, DB2, SQL Server, Oracle, Stored Procedures/Triggers, CICS, MQSeries, MSMQ, COBOL, ALC, C, Java AWT and Swing, XML, XSL, SOAP, WSDL, WSAD, ODBC, CLI, JDBC, and J2EE**

Roles

- **Architectural design, prototype specification/development, and system integration**

HCL Perot Systems

Consultant

Subscriber ID expansion project at Blue Cross Blue Shield

- BCBS is a provider for the healthcare insurance industry and wanted to increase the number of characters in the Subscriber ID

Technology used

- **MVS, IMS, COBOL, Assembler S/390, FileAid, JCL, ISPF, Windows, Lotus Notes, Excel, Access, and Word**

Roles

- **OS/390 Assembler language expert for online/batch applications**
- **Analysis, program specification, modification and testing of Assembler language and Cobol modules.**
- **Internationalization/maintenance of MBNA's batch/online system**

MBNA Hallmark Information Systems

Consultant

- Analysis, program specification, modification and testing of Assembler language and Cobol modules.
- Internationalization/maintenance of MBNA's batch/online system. Modification of MBNA credit card system for various other countries outside USA and maintenance of the same.

Technology used

- **MVS, CICS, DB2, AbendAid, Xpeditor, Hiperstation, Assembler S-390, COBOL, FileAid, JCL, ISPF, Windows, Outlook, Excel, Access, SDM, Word, MVSO, and HP-UX**

Roles & Responsibilities

- **Product support and trouble shooting of the online credit card system and web applications**
- **Planning/analysis of the system**
- **Design/program specification**
- **Coding/unit testing**
- **System/integration testing**

- **Modification of more than 75 ALC & COBOL online/batch programs**

ProNet Consulting Services, Inc.

Chief Architect

Security

- Develops a solution for security and privacy in web application. It's designed to be superior to conventional https and doesn't need certification. Each user has a unique service channel all for himself with the server. The service channel is created during sign up and can be changed at any time. The security is robust and designed for a collaborative environment. Each collaborator or user has its own private key and not shared. Its public key too is shared with main server alone and none other. Main server plays the role for the exchange of Symmetric keys between two collaborators and it signs off. Collaborators then exchange information during a session that can't be interpreted by any one – even Main server. New algorithm has been devised for symmetric key generation that's very fast and arbitrarily long. Encryption algorithm is Stream Cipher that too it is different in each invocation. 'Sign up' cannot be done under program control. User password is never sent from client in any form, and not stored in server. Client side object retrieves private messages and makes it available to JavaScript for incorporation within web document. Prototype in C++ is ready. Server side deployment was done using IIS 5 that's translated to COM objects, Java2 applets and RMI EJB using WebSphere AS2 and Java Web Server. IDE used included the following: VS 6, Forte 3, VisualAge 3 in Windows NT/ME

Role

- **Architect, developer, sole contributor, and performance analysis**

Collaborative Platform for Healthcare

Consultant

- Designs/develops a web based distributed document management system for the healthcare industry. This is a collaborative platform for the healthcare industry. Patients, practitioners, medical service providers, diagnostic centers, plan purchasers and health plan providers may become participating users and can communicate with each other at the P2P level. It implements instant messaging system for transferring message, document or document request. Collaborating servers could be any – IIS, Apache, WebSphere, or even, Personal Web Server etc. Authentication is only done in the central system implemented using IIS. Documents remain in the web servers of the participating user. It's possible to search extensively for a patient, PCP, or document owned by any user. After locating a document, message may be sent instantly to the owner to release the same for access for limited time period. It's also possible to capture all information related to patients – comments, notes, diagnostic reports, observations etc. It's also possible to assign or remove consultants to a patient by PCP. PCP may allow limited access of patient information to consultants to a patient

Technology used

- **Windows NT, IIS 4/5, JavaScript, Java AWT and Swing, XML, XSL, XSD, WASD, MQSeries, VB Script, ADO 2, C/C++, SQL Server 7, ASP.NET, and Perl 5.6**

Role

- **Designer, developer, sole contributor, and performance analysis**

Engineering Document Management System

Consultant

- Designs/develops a web-based engineering document management system as a B2B Service. EDMS is intended for reprography service providers, engineers, architects and project managers who intend to manage any kind of digital documents in web based digital vaults. It's customizable application with payment module and document transformation facility.
- Developed in IIS 4 using SQL Server 7, VB Script, Jscript, XML, HTML, C/C++, and ADO. EDMS manages a variety of files such as Tiff, XML, XSL, XSD, HTML, Word, PDF, DWG, Sound, and Video etc. Currently EDMS has Tiff file transformation facility. It's also possible to convert any kind of image file to Tiff, Jpeg or Gif during upload for web viewing. Use case methodology and UML were used for the design

Technology used

- **Win NT, IIS 4/5, JavaScript, VBScript, ADO 2, MSMQ, C/C++, SQL Server 7, ASP.NET, and Perl 5.6**

Role

- **Designer, developer, sole contributor, and performance analysis**

NSE Software AG

Consultant

ESS Limited, Interra & Techvision Systems

Business Activity Management

- Designs/prototyps a Java Oracle based distributed computing software package for business activity management for large financial institutions at the corporate level where consultants and agents are approached by large number of clients for loan and possible financing for projects. Prototype implemented a multiple document interface where in each window simultaneous viewing of documents and consultants information such as mails, folders, clients, contacts, activity, appointments can be manipulated and exchanged. The prototype implemented persistent objects and their database schemas, read write methods, tree representation and presentation of hierarchical information in Windows Explorer type windows. This was developed using Java 1.2, Swing, XML, JDBC, Oracle 8, and JBuilder 3.5. Use

case methodology and UML were used for the design. Together 1.0 was used for UML design and documentation

Technology used

- **Windows NT, Apache, Oracle 8, CORBA, DCOM, Java AWT and Swing, Together, JBuilder, JDBC, Swing, XML, NetWare NDS, PL/SQL, and UML**

Role

- **Design, prototype development and performance analysis**

Legacy Document Conversion

Consultant

- Develop a document management system for converting IBM based Legacy documents written in Script/VS, any extension of GML and BookMaster. A preprocessor written in Script/VS transforms the document to SGML document. The DTD used was an extension of DocBook. This transformed document is converted from EBCDIC to UTF. An EDD in FM+SGML was developed to render this SGML document to Book Format. This EDD can of course be changed to implement different style. The FM document is further transformed to XML using Style Sheets. It's further possible to convert documents to XML, FrameMaker, Word or HTML using Script, Perl 5, Rumba, FM+SGML 5.5, Jade, VB 5, Basica, SGML, XML, etc.
- This is a state of the art solution for document conversion. Many thousand pages document can be converted electronically in error free manner within very short time. Used XML, XSLT and XSD for Document Data Formatting, Transformation and Extraction.

Technology used

- **VM/CMS, Script/VS, XEDIT, PERL, FM+SGML, SGML, XML, XSD, XSL, DocBook, Web Publisher, Windows NT, 3270 File Transfer, Rumba, GML, BookMaster, and SDM**

Role

- **Designer, developer, sole contributor, and performance analysis**

Web enabling of an Oracle based ERP module

Consultant

- Converted an ERP product developed using Oracle 2000 to 3- tier Internet Client Server application using Oracle web server. The module converted is HRMS. Researched/analyzed for areas of improvements – performance, quality, presentation and GUI.

Technology Used

- **Oracle Web Server, Oracle 8, Java 1.1, and HTML PL/SQL, SDM, Oracle Developer 2000.**

Role

- **Systems consultant, performance analysis of Oracle – JDBC and product support**

Interra Software India, Pvt Ltd

Senior Consultant

- Analysis for Visual Basic GUI front end for an IBM mainframe based ERP package from Walker Interactive System, TAMARIS. Researched/analyzed a product support system in VM for the asset management of a Walker interactive system (16.5 and above).
- Enhanced AP, AR, and GL module.
- Research/analyze a document management system in VM for TAMARIS using Script/VS to be moved in Windows NT using Adobe FrameMaker

Technology Used

- **VM, MVS, CMS, TSO, Rumba, COBOL, VB, XML, Java, CICS, DB2, VSAM, Script/VS, Perl, XEDIT, CP, FM+SGML, GML, FTP, and SDM, etc.**

Role

- **Senior consultant, researcher, and senior software developer for the product support system of Walker interactive system. Prepared a comprehensive documentation for the PS**

ET&T, CSET, SIIT, IIS INFOTECH, SVAM Software

Consultant

Interactive Objective Test

- This is a Java application developed with Java 1.0. One can prepare test modules with test questions, answer options and answers. Examinee selects a module and takes the test. At the end of the test, examinee gets to see scores, timings and correct answers

Role

- **Designer, developer, and sole contributor**

Software Security

- Software protection system for DOS/Windows programs in NetWare LAN and diskette and hard disk. Developed using MS C/C++, Borland 3 C/C++

Role

- **Designer, developer, and sole contributor**

Tools

- **Tools for Y2K analysis etc. in IBM MVS using CLIST as well as in IBM PC using BASICA and MS Access**

Role

- **Designer, developer, sole contributor, and performance analysis**

Retail Operation and Department Stores Management Package Consultant

- Develops a retail operation and department stores management package. Was developed entirely in Informix 4GL, C under SCO UNIX V. The package automates the entire activity associated with a department store or any retail operation. The package has several modules such as admin for package administration and human resources administration, Cash for collection, delivery and exchange, accounts for general ledger, AP/AR maintenance, report for all customized report printing, inventory for goods entry /order/ stock, and order for sales or purchase order. The package can handle coupons, credit, cash cards, credit cards, multiple currencies etc.

Role

- **Designer, developer, and sole contributor**

Wizard Revision

Systems Consultant

- Improvement of a popular financial accounting package written using Clipper 5.5

NetWare LAN Administration Package

Consultant

- An administration package for Novell NetWare LAN 3 and above: This was developed for maintenance of Internetworking NetWare. It provides complete NetWare documentation, statistics and allows NetWare system object editing. It can be used for reporting of Bindery and repair of Bindery and was written in C using Novell SDK

Role

- **Designer, developer, and sole contributor**

NYNEX S&T Asia

Consultant

Mechanized Switch Translation System

- This was a switch translation system for 2-million line telephone network in Bangkok. It required translating recent-change requests for telephone lines stored in IBM3090 IDMS database to be automatically translated and executed at the relevant telephone switch system. The switches were AT&T 5ESS, Siemens EWSD, and NEC NEAX61E. Studied the switches, specified the integration involving HP9000 and AT 486s, and completed the prototype design

Role

- **Analyst, designer, performance analysis and improvement of throughput**

ABC International Pvt Ltd.

Systems Manger and Consultant

Wholesale Distribution System

- This package was developed in AIX V3.2 using Progress and Xponent CASE tools.

Retail Store Management System

- This package was developed for a German electrical retail store and was developed using Informix 4GL, and C in SCO UNIX. This is a 100 man months efforts.

Role

- **Designer, developer and project manager**

Personnel Management System for Indo Tibetan Border Police

- Inventory control and fleet management for Indo Tibetan Border Police. The package was developed using FoxBASE in SCO-UNIX. This is a 120 man months effort.

Role

- **Project manager**

IBM Installation

Consultant

- Set up/install an IBM 43xx based computer center.
- VM/CMS, DOS/VSE, OS/VS, CICS, IMS, SQL/DS installation/maintenance.
- SMP/E, SMF, RMF, RACF, installation, configuration and generation, PARMLIB

Role

- **Systems manager, performance analysis, fault isolation, and tuning of IBM OS and its various components**

1987 – 1989 STP Limited

Project Manager

Integrated Office Productivity Tool

- This package was similar to Works and was developed for Atari-ST computers using C, GEM and AES. This effort took 250 team members and a month to complete.

Role

- **Designer, developer, and project manager**

1982 – 1987 Computronics

Deputy Manager for Software

Storage and Retrieval System on Indian Libraries

- This package was developed using dBase III in PC for the department of science and technology, Govt. of India. (PERT/CPM) This package was developed using BasicA in PC. Time Table Preparation - This package was developed using BasicA in PC

Generalized Syntax Analyzer

- This package was developed to automate a compiler developed for ADA language and has the following parts: lexical analyzer, symbol table generator, LALR (1) parser, and a driver for parser for auto generation of code. Languages used: PASCAL and Assembler 370. This a 100 man months efforts. Fast Dump Restore and Data Set Function, Stand Alone Restore. This package was developed using Assembler 370 for OS/VS2 and is a utility for fast DASD, as well as, selective dataset dump and restore. It's complete with disaster recovery stand-alone restore for system disk. This software is APF and extensively uses OS/VS2 internals, JES, dataset organization and EXCP programming. Used PRDMP and AMDSADMP to debug.

Role

- **Designer, developer and sole contributor**

1980 – 1982 Directorate of Statistics

Software Specialist

- System programmer for the Bahranian's government computer center.
- Developed OS Accounting Routine.
- Responsible for DATACOM DB-DC based applications.
- Responsible for upgrading hardware/software and generation of the OS.
- Developed utilities to convert JCL.
- Consultant to all users of the system and managed all system crisis.
- Developed accounting routine for the installation.
- IBM43xxs, IBM 3705, OS/VS, VM, Roscoe, Catacomb DB-DC, NCP, and IMS environment. Languages used Assembler 370, COBOL, PL/I, Fortran, DL/I, RPG, Monitor, SMP, SMF, RMF, RACF, installed, configured, generated, and PARMLIB

1979 – 1980 Administrative Staff College

Consultant

Matrix Generator and Report Writer

- This is a software package for input and output preparation for MPSX. Language used 360 Assembler. This took 100 team members and a month to complete.

1974 – 1989 O.R. Group

Canal Network Determination

Programmer/Project Leader/Senior System Analyst

- Network distribution of Sardar Sarovar Dam Water through Canals. Language used Fortran. Simulation study of the Narmada river and water resources planning for the Sardar Sarovar Dam.

Role

- **Senior research analyst**

General Purpose Simulation System

- The package was developed for IBM 360 machine using 360 Assembler. The package was an improved version of GPSS IV. It had four parts – macro assembler, input loader, simulator, and report generator. It took 100 man months to develop.

Role

- **Designer, developer, and project leader**

Tape conversion

- Developed an ingenious software technique to encode seven tracks, even parity tape in IBM1401 using five tracks with sufficient redundancy so that it can be decoded after reading the same using odd parity NRZI tape drives in IBM 360.
- Languages used were Autocoder and 360 Assembler.

EDUCATION & PUBLICATIONS:

Indian Statistical Institute

- **B STATISTICS (Honors)**
- **M STATISTICS (Advanced Probability and Mathematical Statistics)**
- **Advanced Studies in Computer Science**

Integrated Water Resources Management, World Congress in Water Resources

Generalized Syntax Analyzer, CSI Annual Convention

IBM based Legacy Document Conversion to XML, XML 2000 Conference

To Hire This Instructor, Please Call 800 798-3901