

# Cheng F. Lin

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## Academic Background

- Obtained Master of Science Degree in *Computer Science and Engineering* from *University of Texas at Arlington* in the year of 1990
- Obtained Bachelor of Science Degree in *Computer Science and Applied Mathematics* (Honors) from *Northeast Missouri State University* in the year of 1987

## Professional Expertise/Skills

- Operating Systems: Unix/Linux, Windows server/Active Directory, MS DOS, Windows XP, Windows Vista, Windows 7
- Programming Languages: Microsoft VB/VB.Net, Python, Classic ASP, ASP.NET, SAP ABAP/4, C /C++/ JAVA/C#
- HTML Editing Tools: Macromedia Dreamweaver, Microsoft FrontPage, Adobe GoLive , Confusion
- Database Software: MS SQL Serevr 2000/2005, Oracle, Informix, Sybase
- Graphics Tools: Macromedia Flash, Macromedia Fireworks, Adobe Photoshop, Adobe PageMaker, Adobe Illustrator, 3D Max, Bryce 3D
- Other Package: Microsoft Office, Telecommunication, ERP/SAP, Perl, JavaScript, Web HTML/XML, Crystal Report 11.

## Professional Background

1988- Present date: Work as an **associate/assistant professor** at Texas Southern University, Houston with the following responsibilities

- Lectured Computer Science courses including Database Management Systems, Programming in C / C++ / Java / VB / UNIX Kernel, Microprocessors, Discrete Mathmetics, Fundamental of Mahine Computeation, Data Structures and Algorithms, File Structures, Introduction to Computers I & II, and Artificial Intelligence.
- Assisted on the System Administration including AT&T 4000 Series, UNIX SCO, Windows NT, SUN SPARCstation.
- Researched, proposed, and developed various computer-related projects for AT&T Bell Lab, US government, Lockheed Missiles, and Space Inc., and NASA during academic years. (C++, Fortran, JAVA, VB / UNIX, Windows NT / IBM Mainframe, UNISYS, DEC VAX platforms)
- Modeled, analyzed, designed and implemented database applications using Informix RDBMS and application development tool set for the Department of Computer Science
- Designed and revised the CS course curriculum in both undergraduate and graduate programs.

- Conducted and implemented the development platform for the robotics research using SUN Sparc Stations.
- Served as several committees in both department and college levels.
- Implemented suitable method for uplifting the time duration of computer using than the scheduled time.

During the summers of 2007 and 2008: worked as a **Sr. Web Programmer/Analyst** at CoreLab Inc., Houston with the following responsibilities

Responsible for analyzing, coding, testing, deploying and providing production support of web applications in accordance to customer requirements. Development tools including Visual Studio 2005, ASP.NET/C#, TOAD/Oracle, MS SQL Server 2005, Crystal Report 11.PerForce etc.

- Scheduled the timelines for the web team and established the project deadlines.
- Converted the existing projects written in Lotus Note into ASP.NET / C# codes.
- Migrated the back end database from Oracle to MS SQL Server.
- Configured the web sites for both Internet and Intranet using Visual Studio 2005 / ASP.NET C# / IIS.
- Created the software test plan documents for the web projects.

During the years of 2002 through 2007: worked as an **Information Technology IT Trainer** at ITT Technical Institute, Houston with the following responsibilities

As an IT trainer, I taught and trained IT/IS courses such as Programming in C++ / Java / VB .Net, Project Management, Software Engineering, Database Design (MS SQL Server 2003), Windows Server 2003 / Active Directory, and Network Design / Management.

During the summers of 1999 through 2001: worked as a **Project Lead** at ACS Government Solution Group, San Antonio with the following responsibilities

Developed various web-based applications on Air Force SG. A PC-based LAN/Windows NT platform under Sybase Database.

Development tools including HTML, Classic ASP, ColdFusion, JavaScript, Perl, UML etc.

- Facilitated problem solving and collaboration among IT team members.
- Coordinate the review, presentation and release of design layouts, drawings, analysis and other documentations.
- Worked with functional managers and the team sponsors to obtain necessary resources to support the team's requirements.
- Provided status reporting of team activities against the program plan or schedule.
- Ensured deliverables are prepared to satisfy the project requirements, cost and schedule.
- Assisted Project Manager through the entire SDLC phases.

During the summers of 1998 through 1999: worked as a **SAP R/3 Developer / ABAP Specialists/Consultant** at Diamond Shamrock, San Antonio with the following responsibilities

As a member of project development team, I worked closely with the clients and functional consultants. Responsible for writing and maintaining technical specifications, coding, testing and integrating the codes, and transporting into production. Performing functional and technical design on Data Conversion and Interfaces, (*SAP IS-OIL Downstream*)

- Configured the material classes, material characteristic & values and loaded material data from legacy into SAP R/3 System.
- Converted the interface designs and specifications into ABAP and/or SQL-based applications.
- Created test transactions and run tests to find errors and confirmed programs to meet specification requirements.
- Customized reports such as *Exchange Summary and Detailed* sales reports on the IS-OIL Downstream module (including *MM and SD*).
- Designed the customized data transfer program for uploading the legacy data into SAP R/3 System.
- Developed, coded, and scheduled the BI sessions for loading and converting SD Data such as pricing (condition records).

- Modified and enhancing the SAP standard reports for the CO module - Cost Center/Profit Analysis.
- Designed an outbound EFT ACH Format file to major banks for the *OpenAR* items transactional reports.
- Defined layout sets for sales and purchasing documents.
- Created Batch Sessions for rollback of BDC's if Call transactions failed.

During the summers of 1996 through 1997: worked as a **Programmer Analyst** at Shipco Logistics Inc., Houston with the following responsibilities

Responsible for coding, testing, implementing and providing production support of programs in accordance to design specifications, systems or parallel test plans.

- Involved all phases of applications development in SAP R/3 system on a Windows NT Platform including definition, design, development, testing, and support.
- Monitored via CCMS and other tools, troubleshoot and debug on functional, ABAP/4, and technical levels for SAP systems.
- Install application servers and database servers; and solve user-related issues for third-party applications
- Worked with WBO/transports; performing user profile maintenance; upgrading, documenting, debugging and managing data transfers; and providing workload analysis of SAP applications, databases and client copies.
- Prepares system documentation in accordance with methodology and standards.
- Interacted with *E-Com Coordinator & Business Analysts* to identify project scope and track & report program/project status.
- Worked with *EDI Specialists* to ensure EDI data maps are correctly integrated with its application systems.
- Participated in preparation and execution of system test plans.
- Customized reports such as P&L statements, invoice, and purchase orders across functional modules (*MM, FI/CO, SD*) and modified the SAP standard reports to meet the user's requirements by utilizing the ABAP/4 programming.
- Identified the problems and modified/enhanced SAP tasks meet the users' requirements of the functional specifications.
- Assisted system administration on error correction and transported SAP objects during the implementation phases.
- Developed and maintained the in-house problem-solving software using C/C++, JAVA and MS Access.
- Designed and developed the Web Home Page and published to the Internet using HTML.

During the summers of 1989 through 1996: worked as a **Technical Staff** at AT&T Bell Lab, Denver & Chicago with the following responsibilities

- Designed and coded an online business process package in telecommunication applications (*MS Access, Java / Windows NT Platform*).
- Designed and coded a networking utility tool for a TCP/IP based Network Management functions (*C / C++, SNMP / UNIX / SUN SPARCstation platform*)
- Designed an automated inventory tracking system for database management by detecting the existing Circuit Packs automatically in the Switching Cabinet. (*C, FoxPro / PC Novell Platform*)
- Developed an automated data entry into database by utilizing the data acquisition devices.
- Designed and coded an Input/ Output Emulator (IOE) for various interface software used in 4ESS and 5ESS Digital Switching System. (*C / MVS / DEC VAX 11/780*)
- Designed an Admin. Script Translator between AT&T System 75 and System 85. (*C, Shell Script / UNIX / UNISYS Platform*)
- Upgraded and developed the new telephone switching features on the Definite PBX Series. (*C / UNIX / AT&T 3B Series*)
- Designed and developing a data interface conversion circuit board (STARGATE) for various telecommunication networking protocols among PBXs. (*C, Assembly/UNIX / Data General Platform*)

During the years of 1986 through 1988: worked as a **Database Programmer Analyst** at Olympia Manufacturer, Dallas with the following responsibilities

- Developed and maintained application systems on a *UNISYS B1800* using *COBOL*.
- Customized and generated reports to meet the user requirements.
- Modified and redesigned the existing inventory database.
- Tracked and handled the RMA merchidizes for customer service department.
- Counseled customers on technical issues related to production installation and proposed software modifications.
- Participated in the logical and physical database design of software solutions.
- Converted an existing FoxPro codes to 4GL codes using the SQL procedures for keeping track of customer database (*FoxPro, SQL / PC Platform*).