Cheng F. Lin

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OBJECTIVE: IT Consultant

PROFESSIONAL SUMMARY:

Over **20+ years** of educational institute background and experience in multiple aspects in industries and business includes:

- Teaching IT courses in many school including Networking Concepts, MS Client OS/ Server OS/ Programming in Java, C++, VB / MS SQL Server / Fundamentals of AC and DC, Digital Circuits, Microprocessors, Microsystems Application, Data Communications.

- Teaching in Computer Science Engineering courses including Database Management Systems, Programming in C / C++ / C# / Java / VB / UNIX Kernel, and Artificial Intelligence. Research project proposal writing.

- Consulting in both industry and business applications utilizing MS Visual Studio,/ASP.Net, SAP R/3, Oracle Database Server, UNIX operating system, and SUN Workstation.

- Administering DP department including overseeing, organizing, managing and supervising project teams.

EDUCATION & PERSONAL:

☐ **Ph.D.** candidate in **Computer Science** *University of Houston* (Houston, TX.) 1995
☐ Studied **Master Degree** in **Biometry** *University of Texas Public Health School at Houston* (Huston, TX.) 1992
☐ **MS** in **Computer Science and Engineering** *University of Texas at Arlington* (Arlington, TX.) 1989
☐ **BS** in **Computer Science and Applied Mathematics** (Honors) *Northeast Missouri State University* (Kirksville, MO.) 1986

IT SKILLS SUMMARY:

- ♦ **Computer Languages:** C /C++/C#, MS Visual Basic .Net, JAVA, COBOL, FORTRAN, Assembly, XML, Perl.
- ♦ **Operating Systems:** UNIX/Linux, SUN/OS, IRIS/Solaris, and Windows Server OS.
- ♦ **Database Software:** Oracle, Informix, MS SQL Server, MS Access, Sybase, and FoxPro.
- ♦ **Computer Systems:** IBM, HP, DEC/VAX, SCO, SUN SPARCstation, Data General.
- ♦ **Others:** MS Visual Studio/ASP.Net/MS Office / Server Computing / TCP / IP, Web Design Tools, ColdFusion and SAP.

WORKING EXPERIENCES:

Assistant / Associate Professor (Texas Southern University, Aug.1988 – Present)

☐ Chairperson of research project committee, admission committee, and curriculum committee.
☐ Researched, proposed, and developed various computer-related projects for AT&T, US government, Lockheed Missiles, and Space Inc., U.S. Air Force and NASA during academic years. (C++, JAVA, VB / UNIX, Windows NT / IBM and DEC platforms)
☐ Modeled, analyzed, designed and implemented database applications using Informix RDBMS and application development tool set.
☐ Lectured Computer Science courses including Database Management Systems, Programming in C / C++ / Java / VB / UNIX Kernel, and Artificial Intelligence.
☐ Assisted on the System Administration including AT&T 4000 Series, UNIX SCO, Windows NT, SUN SPARCstation.
☐ Advised computer science students.

IT Consultant (Core Lab, Sep. 2008 - 2009)

□ Database developer in petroleum industries
□ Using MS Visual Studio/ASP.Net to develop an application on database management system (similar to QNXT system)
□ Loading database data, designing the interface, interact with the cross-platform of databases.

IT Instructor (ITT Technology Institute, Sep. 2000 - 2008)

□ Lecturing courses in the fields of Information technology.
□ Reviewing Certification Examination courses such as A+, Network+, Linux+, and MCSE.
□ Academic advising/Counseling students with needs and concerns.
□ Developing lesson planning and course reviews for each course I taught.

SAP R/3 Developer / ABAP Contract (Diamond Shamrock Inc., August 1998 – May 1999)

Responsible for the writing and maintaining technical specifications, building the codes, testing the codes, and transporting into production. (*Oil and Gas Industry, IS-OIL Downstream*) Responsible for the deliverables for all phases analysis, design coding, testing implementing and maintenance of EDI application including maintaining / adding of trading partners, data maps/translator migration on a UNIX/Windows NT / Oracle Database Server platform.

□ 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 meet specifications.
□ Customized reports such as summary and detailed sales reports on the IS-OIL Downstream module (including *MM and SD*).
□ Designing the custom data transfer program for uploading the legacy data into SAP System.
□ Developed, coded, and scheduled the BI sessions for loading and converting SD Data such as Pricing (condition records).
□ Modifying the existing reports on the CO module - Cost Center.
□ Defined layout sets for sales and purchasing documents.
□ 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.
□ System administration on error correction and transported SAP objects during the implementation phases.

IT Consultant (Air Force Base, August 1998 – May 2000)

□ Created Web-based applications.
□ Using ColdFusion as a middleware interact with Oracle-based database.

Instructor (Houston Community College, Jan. 1994 - May 1995)

□ Lectured Computer Science courses including Programming in PASCAL, Computer Literacy, and Assembly Language.

Instructor (ITT Technology Institute, Sep. 1997 - Aug. 1998)

□ Lecturing courses in both Electronics and Computer Science.
□ Reviewing Certification Examination courses such as A+, and MCSE.
□ Counseling students with needs and concerns.
□ Developing lesson planning and course reviews.

Technical Staff (AT&T Bell Lab, Aug.1990 - July 1995)

□ Designed and coded an online business process package in telecommunication applications (*VB, 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*)