

# JASON ZHU

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## OBJECTIVE

*Software engineering* in automation tools, quality assurance, testing, and system support

## QUALIFICATION SUMMARY

- \* Experienced in life cycle of computer software design, development, testing, quality assurance, documentation, implementation, system/application integration and support.
- \* Proficient in mastering and programming with C#, C/C++, Java, Perl, SQL, HTML, and scripts.
- \* System engineering, training, testing, and problem solving expertise on Windows systems.
- \* Professional on networking, Internet publishing, client/server architecture.
- \* MS and BS of Computer Science.

## PROFESSIONAL KNOWLEDGE AND SKILLS

*Programming:* C#, C/C++, SQL, Java, JavaScript/DHTML, Perl, scripts, etc.  
*OS / Platforms:* Windows 2003/XP/2000/NT/9x, WinPE, Unix/Linux, and MS-DOS.  
*Database/Networking:* SQL Server, mySQL, PostgreSQL, IIS, Apache, TCP/IP, etc.  
*Others:* Customer service, testing, localization, and technical writing.

## WORKING HISTORY

Present Software Engineer, [Zetron, Inc.](#)

- \* Designing and developing test automation framework for Zetron console applications.
- \* Designed and implemented [ZBuilder](#) - an internal used build management system integrated with SQL Server, ASP.Net, [CI](#) (CCNET and CruiseControl-Java) on Windows and Linux platforms.
- \* Designed and developed [ZNet Tester](#), an integrated test tool, to validate TCP/UDP traffic measurements for Zetron VoIP applications (released in July 2008).
- \* Created and performed test plan, test cases, testing interfaces (C/C++), SQL scripts and functions for Zetron Acom, DCS-5020, and Network Management System (NMS).

Feb 05 – Dec 05 Software Developer, [Philips Medical Systems](#), Bothell, WA

- \* Designed and programmed upgrade/installer tools in C++, C# and scripts on XP Embedded.
- \* Deployed and supported XP Embedded OS imaging in Target Designer for ultrasonic medical systems.

Part-time projects in web development and system engineering (10/2001-current):

- \* Designed, implemented, and maintained web sites and an online registration system with CSS/DHTML and CGI/Perl. *See a demo at <http://righthandeng.com/cgi-bin/regform.cgi>.*
- \* Programmed in Java and tested GUI for an Emaik ERP system (with PostgreSQL on Redhat).

Aug 02 – Feb 05 Software Engineer, [Volt Information Sciences, Inc](#) (Microsoft contracts)

- \* Designed and developed a GUI application in C#.Net and maintained Perl scripts in CTT automation testing system for Windows media technologies. (*SDET*, contract with [Microsoft Windows Media](#))
- \* Maintained C#.Net automation testing harness, SQL scripts, Magellan code coverage and VerifyInstall tools, in order to review and implement sanity test plans for Windows Service Pack products and components bucket tests. (2003~2004, contract with [Microsoft Windows Sustained Engineering](#))
- \* Programmed automation scripting systems in SQL Agent jobs with T-SQL, Perl, and NT command shell batch to provide monitoring, notification, auto-fixing features, and support to SQL servers, web servers, data warehouse operations and data mining pipeline systems (*System Support Engineer III* with [MSN](#))

Apr 99 – Jul 01      Senior Software Engineer, CRM Outbound Solutions Development  
**Avaya, Inc. (former Lucent Enterprise Group)**

- \* Provided and executed testing plans for Campaign Director in use of tools in scripts or C/C++.
- \* Achieved Windows 2000/NT platform qualification, performance tuning, and multi-boot configuration in support and testing of Mosaix PDS Dialer, networking, client systems, and OEM products.
- \* Maintained engineering documentation, product numbers, CD images and Change-Request.

Jul 97 - Nov 98      Senior System Engineer (Consultant)  
**Compaq Computer Company, Hong Kong (China) Ltd.**

- \* Presented proposals and support for major accounts on Compaq ProLiant server, storage, networking, desktops, and software products with SCO UNIX, NetWare and Windows NT.
- \* Refined Compaq server products for competition and testing on Windows 95/NT, SCO UNIX, SQL Server 6.5, Oracle, Lotus Notes, and NetWare applications.
- \* Participated in C/C++ and Active Serve Pages (ASP 2.0 on IIS4) development for Compaq Enterprise Computing Solutions support and web publishing.

Aug 89 - Jun 97      **Chinese Academy of Science**

- \* Supported Windows NT, SQL Server, IIS, Chinese platform products, and network engineering.
- \* Designed and implemented testing cases on Chinese platform products (GB and Big-5 code).
- \* Designed and developed Geographical Information System (GIS) application, data processing modules and database interface in C/C++ and Fortran to analyze the shortest route in railway networks.
- \* Designed application and localization interface in C to process double-byte Chinese characters (GB and Big-5 code) in layer display and legend input to operate with ARC/INFO system.

Technical Support (»Temporary & Part-time«: 01/97 - 06/97), Microsoft (China), Ltd.

- \* Provided support and solutions on NT, SQL, IIS, Windows and networking applications.
- \* Created, translated and redacted software product FAQ, KB, user guides, manuals and books, including Compaq SoftPaq, MS-Basic, VB/VC, and CompuWare EcoSystems in Chinese. (1990-1997)

## EDUCATION

Sep 04 - Jun 06      MSCS – Web Programming in E-Commerce, **City University**

Sep 85 - Jul 89      Bachelor of Computer Science (BS),  
**Beijing University of Aeronautics and Astronautics**

## CERTIFICATES AND AWARDS

- \* Avaya Mosaix System Supervisor certified (2001)
- \* Microsoft Certified System Engineer (**MCSE**) based on NT/95, SQL, IIS, and TCP/IP
- \* Compaq Letter of Excellence for outstanding performance rating in 1997/1998
- \* Compaq Accredited System Engineer (**ASE**) Certificate (1997)
- \* Compaq Service Engineer (CSE) Certificate (1993)

## OTHER INFORMATION

- \* Bilingual in English and Chinese (Mandarin and Traditional Chinese)
- \* Reference furnished upon request