**Jason Wu**

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**Professional Summary**

* Over 10 years experience of software development, solid programming knowledge and skills especially for large scale and real-time software
* Extensive experience in software development processes defined by CMM
* Up to date telecom and Internet networks concepts and in-depth knowledge in practice
* Quick Learner around new technology
* Strong communication skills in a team setting

**Skills**

C (+5 years), Java (+2 years), C++ (+2 years) with STL,

Database (+2 years Oracle), SQL,

UML, Object-Oriented Analysis (OOA), Object-Oriented Design (OOD),

CUnit, JUnit, UNIX Shell, Emacs with Lisp, Tex,

Linux, VxWorks.

**Knowledge**

* Telecom networks and technologies
* Next Generation Network (NGN), softswitch
* IP Multimedia Subsystem (IMS) of 3GPP
* SIP, H.323, H.248 (MGCP) and other related protocols
* Internet and Web Knowledge, XML, HTML and related
* Real-time and embedded software development
* Capability Maturity Model (CMM)
* Project Management

**Experience**

**Software Development Leader Jul 2006 – Aug 2011**

Network Division of ZTE Corporation, China

* Analysis SIP protocol for ZTE softswitch device, a core device of Next Generation Network (NGN) supporting over million users
* Designed the inner architecture for protocol module using UML language
* Implemented protocol module using C language in VxWorks real-time OS
* Analysis Operation, Maintenance, Monitoring (OMM) requirements for ZTE softswitch
* Developed special module for system optimization analysis which promote performance
* Conducted unit test for the protocol module using CUnit
* Help Database design and development for OMM using Oracle Database
* OMM implement using Java language in Solaris and Linux OS
* Conducted unit test for OMM module using JUnit
* Mentored more than 5 junior developers
* Promoted the development procedure with QA

**System Analysis and Design Engineer Apr 2003 – Jul 2006**

Network Division of ZTE Corporation, China

* System analysis and design for ZTE VoIP gateway, a device aimed to telecom market which supported up to 7000 lines concurrently
* Analyzed user requirements and protocols
* Designed an architecture for a stack module
* Implemented a stack module of Gateway using C++ Language in Solaris OS
* Implemented telecom-interface module of Gateway using C Language in RMX OS
* Conducted unit test for stack module using CUnit

**Software Development Engineer** **Apr 1999 – Apr 2003**

Network Division of ZTE Corporation, China

* Analysis system requirements for H.323 protocol module of ZTE VoIP gateway for enterprise market which supported 120 lines concurrently
* Carried out an implement for H.323 protocol module using C Language in Windows NT OS
* Performed everyday maintenance for the protocol module

**Patents**

* **Wu Xiaochun**,2004, A method which enable telecom device connect to Internet from LAN, China, CN02150998
* **Wu Xiaochun**, Wang M.,2004, A method and telephone device which supports video transfer, China, CN03112926
* Su D.J., Bao, **Wu Xiaochun**, 2005, A method using for SIP terminal detects the link status with SIP server, China, CN200510130752
* Zhang L., Li Y., **Wu Xiaochun**, 2005, A method which enable IP Intelligent terminal sends and receives SMS in NGN network, China, CN200510130753
* Su D.J., Lu J.W., **Wu Xiaochun**, 2006, A authenticate method which using for SIP terminal, China, CN200610000904
* Lu J.W., **Wu Xiaochun**, 2007, A System supports IP Video terminal, China, CN200610003175

**Education**

**Master of Science, Instrumentation Engineering Apr 1999**

Southeast University, Nanjing, China

Concentration: Instrumentation Engineering with Computer Control

**Bachelor of Science, Electrical Engineering Jul 1996**

Nanchang University, Nanchang, China

Concentration: Electrical Machine Analysis and Control