

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 July 2006 - August 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 April 2003 - July 2006
Network Division of ZTE Corporation, China

- System analysis and design for ZTE VoIP gateway, a device aimed to telecom market supporting 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 April 1999 - April 2003
Network Division of ZTE Corporation, China

- Analysis system requirements for H.323 protocol module of ZTE VoIP gateway for enterprise market supporting 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 New System supports IP Video terminal, China, CN200610003175

EDUCATION

Master of Science, Instrumentation Engineering April 1999
Southeast University, Nanjing, China
Concentration: Instrumentation Engineering with Computer Control

Bachelor of Science, Electrical Engineering July 1996
Nanchang University, Nanchang, China
Concentration: Electrical Machine Analysis and Control