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/C++ (10+ years), UNIX Shell, Lisp,
Linux, VxWorks,
GNU tools, SCM software (Subversion, ClearQuest, ClearCase),
CUnit, CppUnit,
UML, Object-Oriented Analysis (OOA), Object-Oriented Design (OOD).

Knowledge

- Real-time OS and embedded software development
- IP networks and protocols
- Linux system programming
- 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
- Capability Maturity Model (CMM)
- Software Configuration Management (SCM)
- Web Knowledge, XML, HTML and related
- Project Management

Experience

Senior Software Development Engineer — July 2006 - August 2011
NGN Network Software R&D Dep. 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 SIP protocol module (TU layer) using C language in VxWorks real-time OS
- Maintained SIP protocol module (TU layer). Fixed bugs which come from customers or test verification teams, using Subversion and Clear Quest
- Developed special module for system optimization analysis which promote performance

- Developed and maintained daily build and smoke test environments
- Conducted unit test for the protocol module using CUnit
- Promoted the development procedure with QA

Senior Software Development Engineer — April 2003 - July 2006

Fixed Network Software R&D Dep. 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
- Implemented OS interface module to provide IPC/Trace/Timer/Network functions for other modules
- Designed application module's architecture for a H.323 stack module
- Implemented H.323 application module of Gateway using C++ Language in Linux OS
- Maintained application module. Fixed bugs which come from customers or test verification teams, using ClearCase and ClearQuest
- Conducted unit test for stack module using CPPUnit

Software Development Engineer — April 1999 - April 2003

IP Software R&D Dep. 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