Jason Wu

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Objective

A position in the field of software development with special interests in telecom or business applications programming, information processing, and Internet technology.

Professional Summary

- Over 10 years experience of software development, solid programming knowledge and technique especially for large scale and real-time software
- Strong knowledge and successful experience for software development processes defined by CMM
- Deep background of Telecom and Internet Networks Concepts and Knowledge
- Quick Learner around new technology
- Strong communication skills in a team setting

Skill

C (+5 years), Java (+2 years), C++ (+2 years),
Database (+2 years Oracle), SQL,
UML, Object-Oriented Analysis (OOA), Object-Oriented Design (OOD),
CUnit, JUnit, UNIX Shell, Emacs with Lisp, Tex.

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
- Capability Maturity Model (CMM)
- Project Management Knowledge

Experience

Software Development Leader   July 2006 - August 2011
Network Division of ZTE Corporation, China

- Analysis SIP protocol for ZTE softswitch device[1]
- Design the inner architecture for protocol module using UML language
- Implement protocol module using C language in VxWorks real-time OS
- Analysis Operation, Maintenance, Monitoring (OMM) requirements for ZTE softswitch
- Unit test for protocol module using CUnit
- Develop special module for system optimization analysis which promote performance
- Help Database design and development for OMM using Oracle Database

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[1]ZTE is one the top 5 largest Telecom equipment and network solution provider in the world with more than 30 thousands employees. ZTE Softswitch is a core device of Next Generation Network (NGN) which support over million users. And it is one of the most successful products of ZTE, as occupies the largest market share in China. Even in world Telecom market, our product is also a major device provider.

- OMM implement using Java language in Solaris and Linux OS
- Unit test for OMM module using JUnit
- Guiding junior developers

System Analysis and Design Engineer   April 2003 - July 2006
Network Division of ZTE Corporation, China
- System analysis and design for new ZTE VoIP Gateway[2]
- Analysis user requirements and protocols
- Architecture design for stack module
- Implement stack module of Gateway using C++ Language in Solaris OS
- Implement telecom-interface module of Gateway using C Language in RMX OS
- Unit test for stack module using CUnit

Software Development Engineer   April 1999 - April 2003
Network Division of ZTE Corporation, China
- Analysis system requirements
- Develop H.323 protocol module[3]
- Implement H.323 protocol module using C Language in Windows NT OS
- Everyday maintenance for protocol module

PATENT
- **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, Instrument Science Engineering   April 1999
Southeast University, Nanjing, China
Concentration: Computer Science

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

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[2]This is ZTE's first type of VoIP gateway for telecommunication market which supports up to 7200 lines concurrently, integrated in grogram controlled switch.

[3]This module is the core part of ZTE VoIP Gateway which is aimed to enterprise market. ZTE VoIP Gateway supports 120 lines concurrently.