

Resume

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EDUCATION AND QUALIFICATIONS:

- Beijing University of Posts and Telecommunications 2002. 9 – 2005. 4
 - Master degree of Computer Engineering (Computer software and theory)
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Summary:

- data reprocessing and analysis experiences for power plant system and financial stock market
- profound experiences in software design and development of c/c++, OO design pattern
- financial data analyse tools design and development especially for stock market
- proficient with GUI design and dev by using Qt or PyQt4
- good at mongoose and Redis source code design and implementations, raft for distributed system
- familiar with Neural-network and Redis-ml machine learning module including GD/BP and Sigmoid, familiar with machine learning lib theano.
- Proficient experiences in linux shell, linux POSIX multi thread and mongoose app dev
- Good at linux vim, vim script and mysql
- work with the linux real time distributed system for more than 6 years
- Be well at analyzing issues and giving solutions
- Familiar with CORBA middle ware system RPC
- Familiar with mongodb

Working EXPERIENCES

Atos Origin (China)

Oct. 2009 – Present

- From 2009.11 – 2011.3, worked at Grenoble france, on job training for the real time distributed control system(DCS, SCADA) used for several china nuclear projects
- Site support and problem solving for the customer on Fuqing nuclear site including network configuration, software installation, trouble tracing, etc
- Bugs analysing and fixing for many tools
- Analyse and process the requirements, feedback from site
- Participate on-site software installation support, handover
- New features development based on the customer's requirements

Projects:

Second feature development based on the client roboMongo for Mongodb

- Format current data into json in order to load to mongodb
- New features' development based on roboMongo
- EventBus code update, adding new event processing procedures based on Event
- Development environment : boost, Qt , redis, mongodb, python, pymongo and the use of compile tools SCons and cmake.

Real time quantitative analyse tools for financial stock market

- Developed tools to fetch and process the stock trade transaction record
- Support displayable interface of the stock transaction
- Exceptional transaction deal detection and alarm for all the shanghai and Shenzhen stock market

- Analysis the data of stock transaction record quantitatively and make strategy to provide investigation proposals
- Indicators calculation for MACD,RSI, KDJ, DZX, BBI, BOLL etc by using python
- GUI design and development by using PyQt
- Web server design and dev based on mongoose(interface definition by using json)
- Message middle ware and publishing system based on mqtt of mongoose
- Load balance and CGI module design and implementation based on mongoose
- B/S design and implementation based on html5, javascript, ajax, jquery and Node.js with mongodb
- Perform technical analysis of financial market data
- Redis neural network for the prediction of prices
- Development language : C/C++, Shell, PyQt4, ncurses, Python, mysql, numpy, pandas, based on Linux 7.0

Nuclear power plant Data processing

- Developed tools to integrated the data to Data Generation System
- Analyzed the log info during integration to determine the root cause of issue

Build tools development

- based on the linux , develop a build tool for managing the source code and control the compiling process by using linux shell and python.
- Develop tools for controlling the Naming_service and shared library

DGS data tool development

- Fulfilled the requirement analyses, architecture design
- Plugin modules design and development
- Qt style for GUI improvement
- Qt Designer plugins of GUI library for hardware equipment
- Source code management and writing the Makefile

Corba middle ware system

- Based on the TAO, the middle ware provides the xml configuration for the user to register its corba services to Naming Server used for remote procedure call. It also has the functionality of watch dog to monitor the network connection between the client and the server. Currently, the middle lib is widely used at the distributed system for nuclear power plant
- Participated in the design and improvement of the middleware library based on 3-party API CORBA TAO;
- Watch dog IDL definition and implementation;
- library libconfig improvement based on 3-party API TinyXml;

Description: data improvement tool for PPC

- Requirement analyse;
- Solution determination
- Implementation
- Related technologies : linux bash shell, vim script, c/c++, Qt

Nokia Siemens Network (NSN)

Jan. 2008 – Mar.2009

- Design and Develop the new features of SIP user agent according to RFC3261;
- Call service(basic call, supplementary service, call forwarding, call hold, call transfer,) control;
- maintenance and development of SIP stack DUM and sigma;
- SIP UA logic implementation based on SIP stack ResipRocate and Siemens internal SIP stack Sigma

- GUI logic design and implementation
- Requirement verification, design and implementation of new features base on the architecture of the software

Siemens Communication Network (Beijing) Limited Corp (SCNB) Jan. 2005 – Dec.2007

- Requirement verification, design and implementation of new features base on the architecture of the EWSD software;
- EWSD maintenance, update and development associated with ISUP and TUP part of SS7;
- Fault processing for EWSD concerned with ISUP and TUP part of SS7.