Liu Chang

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OBJECTIVE

A position in the field of car industry with special interests in ECU (electronic control unit) and IOT (internet of things) integration.

EXPERIENCE

Senior SW Engineer   2012 - present
Nokia / Microsoft Mobile

- Porting .net framework to Nokia mobile phone; Optimized the Yapas C++ framework; Optimized the multi-media library harvester.
- Set up an integration test framework and scheduled the tests into CI (continuous integration) system;
- Received Nokia AA (achievement award, given to less than 10% people);
- Introduced a new way to implement a feature in messaging application. The new way saved the project from delay delivery.

Project Manager   2008 - 2011
Elektrobit

- *City Safety (Automotive)*: 2010 - 2011 I was responsible to coordinate EB experts, customers, and IT supports; and integrate software modules into OSEK OS, including CAN stack, IO driver, bootloader, and XCP.
- *TMT (Test Management Tool)*: 2008 - 2009 The project was to create a test management tool which provides test planning, test execution and test reporting, with a test library, imported or composed by this tool. My work includes all aspects of the project, such as requirement collection, work flow setup, SW design, code review, coding, testing, and reporting.

Software Engineer   2005 - 2007
Elektrobit

- *TMT (Test Management Tool)*: 2006/04 - 2007/12
  I launched the project and worked as the core developer, also drived the project in agile way.
- *Project Chiron*: 2005/04 - 2006/03
  Testing several smart phones and supported the team with OMA materials. The project validated some Symbian phones.

Software Engineer   2000 - 2002
Several Companies

- *VoIP Fee*: 2002/04 2002/08
  The project developed a GUI application, which is, at the same time, a billing server that handles dozens of IP phone calls. Multi-thread is used to provide good response to the end user and the VoIP gateways as well.
- *Search Engine (front end)*: 2001/02 – 2001/08
  The project makes scalable cluster of full text retrieve servers, and provides load-balance for the search requests from Internet.
- *Image Processing*: 2000/04 - 2000/09
  Designed and implemented an image compression algorithm in C/C++ for embedded device. Developed a pre-processor, as the first step, to recognize vehicle lisence number and human finger-print.

EDUCATION

Master of Science, Computer Science, BeiHang University,   2002 - 2005
Bachelor of Science, Mathematics, ShanDong University   1996 - 2000

SKILLS

Programming Languages & Software: C/C++, Javascript, XML/Html, Makefile, CSS, Shell, Perl, Python, SQL, Scheme

Development Method: Object-Oriented Programming (OOP), Event-Driven Programming, Test-Driven Development (TDD), Design Pattern

Management: PMP (project management professional), Certificated Scrum Master

Tools: MS Project, Trac, Git/Gerrit, FTC, Jira, Rational Rose, GCC, WindRiver Diab compiler, MS C/C++ compiler, Make, Vim, Putty, MS SQL, Visual Source Safe, CVS, SVN, CVSTrac, EB 6100, EB tresos Studio, Lauterbach debugger, EB tresos Inspector.

Operating Systems: Linux, Windows, Nokia OS, OSEK-OS

PERSONAL INFO.

Nationality: China
Date of Birth: 1978.11.22
Willing to re-locate: Yes
Gender: Male