Liu Chang

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OBJECTIVE   Solutions Architect - Shanghai, China

Education

Master of Science, Computer Science, BeiHang University	2002.9 - 2005.3
Bachelor of Science, Mathematics, ShanDong University	1996.9 - 2000.7

Experience

Project Manager   2016.4.1 - present
Elektrobit Automotive

- Lead several projects in parallel from technical point of view, coordinate the teams in different locations, make sure the SW product quality and delivery in time. Trouble shooting, risk management, and making technical solution as well. Scheduling, and training the colleagues to do development and on-site support;
- Align architecture design with headquater, and deliver basic software to more than 15 ECUs within half a year;
- Customize the OSEKCore CAN stack to support functional safety (E2E protection).
- Build up local development force, including setting up build servers and labotary, training new comers and service team.
- Thanks to the exceptional team, EB China is now able to produce OSEK products locally.

Senior Software Engineer   2015.1.9 - 2016.3.31
Elektrobit Automotive

- Provide workshops for China and Korean customers, topics: XCP/CCP, NM, AutoSAR CanNm, UDS, OEM specific modules, bootloader, etc.
- Developing an AutoSAR CDD (Complex Device Driver) for a BMS (Battery Management System), to meaure the voltage of the battery cells.
- Adapt and qualify several CAN/LIN stacks and bootloaders. including CAN/LIN, flash driver porting, integration, and testing. transferred how-know from EB France to China. Hardware: Cortex-M3/STA1085, PA, S12x, Ti/TMS320, RL78, RH850, TriCore, PIC24, MB96, etc.

Senior Software Engineer   2012.1.4 - 2014.12.30
Nokia

- Porting MS .net micro framework to Nokia mobile phone, based on the smarterphone framework.
- Accomplished a lot of development tasks, including: optimized smarterphone framework and middleware, added some components / features, and fixed bugs, on Nokia mobile phones.
- More than a developer

  - Launched an integration test project to guard code changes with scheduled tests in CI (continuous integration) system;
  - Provided some lectures about CBD (contract based development) and TDD (test driven development) via practical examples;
  - Improved the auto documentation of source code;
  - Coordinated the developers, testers and UX (user experience) designers for 3 new features.

- All these works resulted in a Nokia AA (achievement award, given to less than 10% people);

Senior Software Engineer   2008.1.1 - 2011.12.31

Elektrobit Wireless

- *AUTOSAR Technical Support*: 2011
  Provided pre-sales technical support and turned out to win an order of AU-TOSAR basic software together with configuration tool.
- *City Safety (Automotive ECU)*: 2010 - 2011
  optimized the bootloader from downloading in minutes to within a minute; also coordinated EB experts, customers, IT supports, etc.
- *HMI and ECU trainings*: 2010
  Organized and received 2 trainings about HMI design and OSEK/AUTOSAR.
- *TMT (Test Management Tool)*: 2008 - 2009
  Lead the team in agile way to create a web based, but native UI looked, test management tool (TMT) that supports test planning, execution and reporting. Met the schedule and updated the server online every 2 weeks.

Software Engineer   2005.4.18 - 2007.12.31

Elektrobit Technology

- *TMT (Test Management Tool)*: 2006/04 - 2007/12
  I launched the project and worked as the core developer, also drove 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   2000.4.1 - 2002.08.21

TRS Technology

- *Site Search Engine*
  Serach Engine front-end design and implementation. The engine ranged to one or several web sites, based on JSP/Servlet and full text retrieve servers (TRS). Tried to do load balance with a cluster of servers.

Trainings		
Project Management based on MS Project , ASW Acadamy		2016.12
Project Management based on AAV, Marquordt, Andrea		2016.11
Multi-culture communication , ShuiSheng (Germen Teacher)		2016.11
6 Trust based communication habits, AMA		2013.8
PMI PMP, by tsinghui,		2010.6
Certificated Scrum Master, Mishkin G. Berteig		2009.3

Skills

Project Management Method: Traditional project management (PMP), Agile method. **Programming Languages**: C/C++, Scheme/Lisp, Java/script, XML/HTML, Makefile, WAF, CSS, Shell, Python, SQL

Development Method: V model, requirement tracing, Object-Oriented Programming (OOP), Event-Driven Programming, Functional programming, Test-Driven Development (TDD), Design Pattern

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

Tools: MS PowerPoint, WBS/Excel, MS Project, GanttProject; Matlab/Polyspace, vTiger (CRM), Jira, SVN; MuxTrace/USBDiag, GDB/JLink, Lauterbach debugger, ...

Personal Info.

Nationality: China
Date of Birth: 1978.11.22
Gender: Male