Liu Chang

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OBJECTIVE   Obtain a senior position that can maximize my project management, software construction, and testing experiences.

EXPERIENCE

Project Manager   2015.1 - present

Elektrobit

- Lead several projects in parallel, 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.
- Provide workshops for China and Korean customers, topics: XCP/CCP, NM, 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, RL78, RH850, TriCore, PIC24, etc.
- Based on the team's exceptional work and my performance, EB China is now able to run fully local projects.

Senior SW Engineer   2014.4.28 - 2014.12.30

Microsoft

- Porting MS .net micro framework to Nokia mobile phone, based on the smarterphone framework.
- Enabled the .net to access Internet, especially the Azure Cloud.
- I was recognized by the SEA (system engineering and architecture) team, when I enabled the .net socket on Nokia phones.

Senior SW Engineer   2012.1.4 - 2014.4.25

Nokia

- 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);

Project Manager   2008 - 2011

Elektrobit

- *AUTOSAR Technical Support*: 2011
  Provided pre-sales technical support and turned out to win an order of AUTOSAR base software together with development tools.

- *City Safety (Automotive ECU)*: 2010 - 2011
  Involved to integrate software modules into OSEK OS, including CAN stack, IO driver, bootloader, and XCP; 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
  Led the project in customized agile way to create a web based, but native UI looked, test management tool that supports test planning, execution and reporting. My work included all aspects of the project, such as requirement collection, work flow setup, SW design, code review, coding, testing, and reporting. Met the schedule by updating the server online every 2 weeks.

Software Engineer   2005 - 2007
Elektrobit
- *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.

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

TRAININGS   *6 Trust based communication habits*, AMA   2013.8
                PMI PMP, provided by tsinghui,   2010.6
                Certificated Scrum Master, Mishkin G. Berteig   2009.3

SKILLS   **Programming Languages**: C/C++, Java, Javascript, XML/Html, Makefile, WAF, CSS, Shell, Perl, Python, SQL, Scheme
                Development Method: Object-Oriented Programming (OOP), Event-Driven Programming, Functional programming, Test-Driven Development (TDD), Design Pattern
                Operating Systems: Linux, Windows, Nokia OS, OSEK-OS
                Tools: WBS/Excel, MS Project, Trac, GanttProject, vTiger (CRM), EB 6100, EB tresos Studio, MuxTrace/USBDiag, GDB/JLink, Lauterbach debugger, EB tresos Inspector.

PERSONAL   *Nationality*: China
INFO.   *Date of Birth*: 1978.11.22
                Expected work location: South China
                Gender: Male