

**OBJECTIVE** Obtain a senior position that can maximize my innovation ideas, software design, and testing experiences.

**EXPERIENCE** **Senior Engineer** 2015.1 - present  
Elektrobit

- UDS and bootloader training.
- Developing an AutoSAR CDD (Complex Device Driver) for a BMS (Battery Management System), to measure the voltage of the battery cells.
- Adapt and qualify a PSA CAN stack, including CAN driver development and a platform for the qualification, transferred how-know from EB France to China. Hardware: Cortex-M3 in the STA1085.
- Adapt, integrate and qualify a generic bootloader. Coordinate and coach local engineers to develop the platform and drivers (CAN and Flash). Hardware: TriCore/TC1782.

**Senior SW Engineer** 2014.4.28 - 2014.12.30  
Microsoft

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

**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.

## 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 licence number and human finger-print.

## EDUCATION

*Master of Science*, Computer Science, BeiHang University,  
*Bachelor of Science*, Mathematics, ShanDong University

2002 - 2005

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 INFO.

*Nationality*: China

*Date of Birth*: 1978.11.22

*Willing to re-locate*: Yes

*Gender*: Male