

NAME**Guitao DING****(丁贵涛)****CONTACT INFO****Email:** guitao.ding@yahoo.com**Cellphone:** +86 138 1166 9636 (China)**JOBS of INTEREST**

Senior Software Engineer, Software Architect

PERSONAL SUMMARY

- > 12 years of application software development in R&D centres of FT500 company
- 7 years of software development on company-level platforms
- 5 years of agile development practices
- 10 years of work experiences in multi-national teams
- 4 years of team management experience
- > 2 years of overseas working experience
- > User value oriented and strong agile mindsets

PROFESSIONAL SKILLS

Software Engineering: Lean/Agile, Scrum/Kanban, TDD, RUP, TFS-based ALM
Program/Script Languages: C#, C++, Python, Java, PHP, JavaScript, PowerShell
OOAD, UML, Design Patterns, XML, Web, Git, TFS, Web Service
Data Mining, Machine Learning

WORK EXPERIENCES

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|----------------------------|---|---------------------------------------|
| Apr 2015 – Dec 2015 | Senior Software Engineer | Schlumberger, Beijing |
| | Assigned in an agile team, developed a Techlog application for Geomechanics and Geology users. Besides implementation of assigned modules, supported the continuous integration environment, and helped spread the agile practices of plugin development on the platform.
Software Exp.: C++, Qt, TDD, KanBan/Scrum, TFS, Git, CI/CD
Industry Exp.: Techlog software platform, Acoustics Geomechanics/Borehole Geology | |
| Apr 2013 – Mar 2015 | Senior Software Engineer | Schlumberger, Montpellier (FR) |
| | Transferred to France, coordinated a high business visibility standalone software to be migrated to Techlog platform.
Worked with reservoir engineering portfolio team, explored migration path with constraint that legacy software still actively evolves while the platform is immature for fully supporting the software migration needs.
As key developer, developed the first version of the migration version of the application

Techlog, is well-centric data management, analysis and interpretation platform software, supporting full E&P portfolio.

Software Exp.: C++, Python, Qt, C#, TDD, TFS, KanBan
Industry Exp.: Techlog software platform, Formation Testing, MDT/StethoScope formation testing tools | |
| Feb 2012 – Apr 2013 | Senior Software Engineer and Project Leader | Schlumberger, Beijing |
| | Led a team of 4 developers and 1 tester, maintaining MaxWell Sonic Scanner application, MaxWell CMR Application and MaxWell MRX application, incl. troubleshooting field operation issues, fixing software defects, releasing software patches. In addition, collaborated with Houston hardware tool design center for new tool model software development

Software Exp.: project management, software testing, C++(C#), refactoring, TDD, Agile/KanBan, debugging, deployment and maintenance
Industry Exp.: MaxWell(Schlumberger data acquisition platform), Sonic and NMR logging | |
| Apr 2009 – Jan 2012 | Senior Software Engineer | Schlumberger, Beijing |
| | Joined company level platform software MaxWell project. As core team member, developed MaxWell Sonic Scanner (Multi Array Sonic Tool) application, incl. improving the wellsite data acquisition workflow by adding several sonic processing modules, esp. the relabeling functionality which reduces a lot the wellsite turn around time for Schlumberger Sonic logging. In addition, in charge of DLIS data validation, field operation support and software bug fixing for previous commercialized versions.
MaxWell system is a company level software platform supporting data acquisition of all Schlumberger Wireline and DnM logging tools. The project is being developed in various R&D centers all around the world. Sonic Scanner application is a data intensive and processing intensive application, playing crucial role in exhibiting and driving the whole platform development.
At meantime, as DLIS Backward Compatibility Champion, safeguarding BGC tool applications (incl. Sonic Scanner tool, Combined Magnetic Resonance tool, and Magnetic Resonance eXpert tool) on DLIS backward compability among different MaxWell versions.

Software Exp.: requirement analysis, C++(C#), debugging, performance profiling, project management, software testing
Industry Exp.: MaxWell(Schlumberger data acquisition platform), Sonic processing | |
| Jun 2009 – Dec 2010 | Newsletter Managing Editor | Schlumberger, Beijing |
| | In this part-time role, founded BGC newsletter editing committee. With another editor and five reviewers, published 4 issues of BGC Software Metier Newsletter. Responsibilities included calling-for papers, organizing and performing reviews, newsletter editing, and publishing. | |
| Mar 2008 – Mar 2009 | Team Leader | Schlumberger, Beijing |

Led a team of 4 developers, fully in charge of a big upgrade of Sonic Pro, and sustainment of two commercialized software CMR Pro and MR Pro.
At the same time, took architect role, refactoring and decoupling these software for independent and fast field minor upgrade.

Software Exp.: project management, software deployment and maintenance, C#, Fortran, refactoring, Design Patterns
Industry Exp.: Schlumberger GeoFrame E&P interpretation system, Sonic logging

Mar 2007 – Mar 2008 Technical Leader Schlumberger, Beijing
Reporting to project manager, technically led another 2 developers to develop CMR Pro, which is a new logging data process software for Schlumberger CMR tool.
Responsibilities included requirement analysis, leading design and implementation, alpha and beta testing support.

Software Exp.: requirement analysis, C#, C++, project management, SCM
Industry Exp.: NMR logging, Schlumberger GeoFrame E&P interpretation system, Digital Log Information Structure (DLIS) file, Log Ascii Structure (LAS) file

Jul 2004 – Mar 2007 Software Engineer Schlumberger, Beijing
Joined viewer software family product line (with vision of 10 viewers), assigned to develop logging data process and visualization application modules for Schlumberger production logging tools (such as FSI, PSP tools) -- PL Viewer, and Wireline logging tool (MRX) -- MRX Viewer.
Responsibilities included integrating processing algorithms, implementation of data loading, visualization UIs, and support of Alpha/Beta testings etc.

Software Exp.: C#, C++, Windows Forms, requirement analysis, testing
Industry Exp.: NMR logging, production logging

EDUCATION

2004 Master of Computer Engineering Nankai University, China
Lab of Intelligent Information Process, School of Information Technology and Science
Highest score student enrolled by the Graduate School of Computer Department
Thesis: Data Mining methods based on Bayesian Network and their applications in Gene Expression Analysis
Software Exp.: Data Mining, Machine Learning, Java

3rd prize winner of National College Students .NET Innovation Contest, for developing a digital map of Nankai Campus, based on .NET web service technologies

2001 Bachelor of Computer Science Nankai University, China
School of Information Technology and Science
Thesis: Implementation of Web-based remote management system
Software Exp.: Linux, PHP, Web application

CERTIFICATES AND QUALIFICATIONS

IELTS (International English Level Test), Score 7 (of 9)
Certificated ScrumMaster by Scrum Alliance

TECHNICAL PUBLICATIONS AND PRESENTATIONS

Introduction to Techlog Python and Continuous Delivery Enabled in ISA, presented to ISA dev team, Nov of 2015
ISA Branching and Release Strategy, presented to ISA dev team, Oct of 2015
Plug-in requirement analysis in platform era, Beijing GeoScience Centre Software Newsletter, Oct of 2015

An inspiring try of KANBAN for one Techlog application module development, Montpellier Technology Centre local newsletter, Mar of 2014

Introduction to Lean Software Project Management, presented to whole Montpellier Technology Centre, Sept of 2014
KS for Yanjiao Test Well MaxWell System Testing Trip, presented to Beijing MaxWell Applications Teams, April of 2010
Intro to Testing Design and Implementation of MAST MaxWell Acquisition software, to Beijing MaxWell Applications Teams, March of 2010

Computation Migration from Answer Product Software to Acquisition Software, Issue#1 of 2010 of Global Software Metier Newsletter

An introduction of MaxWell LI Test Process, Knowledge Sharing presentation among Beijing MaxWell Applications Teams, Sept of 2009

Design and Implementation of a Computation Engine, Issue#2, 2007 of Beijing GeoScience Centre Software Newsletter

Survive with incompatibility among different versions of the same component, Issue#3, 2006 of Beijing GeoScience Centre Software Newsletter