An Liu

Basic infomation

- Apr 23th,1986
- Shanghai/China
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About me ———

Skills ———

Agile & scrum

Distributed System

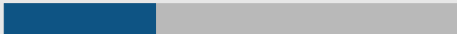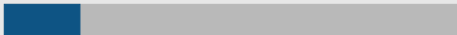**Python**

C

Linux

SQLs

Web,Java

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Interests

An likes to find why to problems, thus like mathematics and physics. Computer is another tool which brings us much closer to the truth. During amateur time, he likes reading, music and games.

Education

2008-2011	Master of Physics Program in Single ion facility	Fudan University, Shanghai, China
2003-2007	Bachelor of Mechanics Major in Fluid Mechanics	Fudan University, Shanghai, China

Experience

since 2016	Self-employed Offering Paas service based on HPC	Shanghai, China
2013-2016	Senior Engineer Optimize,design process from HPC workflow	Altair Ltd, Shanghai, China
2011-2013	Engineering Consultant Offering tools/process/platform for customers	Altair Ltd, Shanghai, China
2008-2011	Master Simulation single-ion beam behavior with Geant4 C++ toolkit provide by CERN	Fudan University, Shanghai, China
2007-2008	Bachelor Cabled-bridge turbulence simulation and analysis with Matlab	Fudan University, Shanghai, China

Reviews

software solutions

An developed several Platform for customers, there he got familiar with Agile & and scrum methodologies, which provides the ability from incrementally development of softwares Projects including:

- Rapid modeling system for automobile
- Crash report automatic generation for automobile
- Platform developed for lokomobile

HPC solutions

After that, An got familiar with Linux and parallel system through High performance Computing, such as PBS professional, IBM lsf as well as slurm, along with a lot of MPI processes such as platform-mpi and intel mpi, analysing the bottleneck of traditionally HPC. Projects including:

- Fluent auto checkpoint stop/restart
- Fastran parallel optimizing
- Simple GUI client based on QT

HPC enterprise

Then, An focused the solutions to HPC, worked together with engineers of web applications, sqls. Projects including:

- Integrating web authetication with cluster
- Integrating cluster management with web-portals
- Analysis tools of the HPC cluster usage monitors
- Software visualization solutions for clusters.

bigdata

Now, An started to look into bigdata technologies, such as Celery. Wrote a simple schedule system in Python can work across platform both on Windows and Linux.

Additionally, An spends a lot of time in pursuiting pricinple of programing and studying lisp (SICP) and algrithom (TAOCP).