



An Liu

Basic information

- Apr 23th, 1986
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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 problem, 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 Fudan University, Shanghai, China
Program in Single ion facility

2003-2007 Bachelor of Mechanics Fudan University, Shanghai, China
Major in Fluid Mechanics

experience

since 2016 self employed Shanghai
offering Paas service based on HPC

2013-2016 Senior Engineer Altair Ltd, Shanghai, China
Optimize, design process from HPC workflow

2011-2013 Engineering Consultant Altair Ltd, Shanghai, China
Offering tools/process/platform for customs

2008-2011 Master Fudan University, Shanghai, China
Simulation single-ion beam behavior with Geant4 C++ toolkit provide by CERN

2007-2008 Bachelor Fudan University, Shanghai, China
Cabled-bridge turbulence simulation and analyze with matlab

Reviews

software solutions

An developed several Platform from customs, there he get familiar with Agile & and scrum methodologies, which provides the ability from incrementally development of softwares Project including:

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

HPC solutions

After that, An get familiar with Linux and parallel system through High performance Computing, such as PBS professional, IBM Isf as well as slurm, along with a lot of MPI processes such as platform-mpi and intel mpi, analysing the bottleneck of traditionally HPC. Project 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 which engineers of web applications, sqls. Project including:

- Integrating web authentication with cluster
- Integrating cluster management with web-portals
- Analyse 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 spending a lot of time in pursuing priniple of programing. studying lisp (SICP), algrithom (TAOCP).