Dong JIA (Male, 38 Years old)

Software Engineer | VP | Master | Beijing

# Basic Information

* Mobile phone: 13651115446
* Email: [nightdeep@msn.com](mailto:nightdeep@msn.com)
* Address: HuiLongGuan, ChangPing, Beijing, China
* Graduation Date: Jul. 2004
* Highest Degree: Master
* Blog: <http://www.cnblogs.com/deepnight>

# Skills and Strengths

## Technical skills

* Be proficient in Windows system: deeply understanding Memory Management, Message Looping, Exception handling, Multithreading and Synchronization;
* Well master .NET framework: involved in the most fields such as P/Invoke, .NET Remoting/WCF, Reflection, CodeDom, InterOp(C++/C#, Office), BCL, DLR, MAF, MEF, LINQ, Entity Framework and etc.;
* Master desktop UI technologies: Native Win32 API, MFC, Win Form and WPF;
* Mater web UI technologies: HTML, CSS, JavaScript, jQuery, Bootstrap, and ASP.NET MVC;
* Be skilled in the software architecture and design pattern;
* Have strong debugging and performance tuning skills;
* Deeply understand compile principle, master Lex/Yacc, ANTLR and Olso M, and be contributor of 2 programming languages;
* Deeply involved in product life cycle, master configuration on a complex build environment;
  + Master MSBUILD and can write build script (both in MSBUILD and PowerShell) manually;
  + Strong experiences of build systems: TFS, Hudson, Jenkins and Bamboo;
  + Be skilled in several source control systems: TFS, SVN and GIT;
* Programming languages enthusiast (the following languages are USED in work):
* C# 10 yrs
* C/C++ 8 yrs
* PowerShell 5 yrs
* MSBUILD 5 yrs
* SQL 5 yrs
* Agilent VEE 3 yrs, contributor
* Objective C 3 yrs
* JavaScript 3 yrs
* Prolog 2 yrs, contributor
* Python 1 yrs
* Lua 1 yrs
* COBOL 1 yrs
* Graph Talk 1 yrs
* Strong experiences for low latency, high availability system;
* Have good practice on Agile process;
* Smoothly written .NET documentation with GhostDoc or SandCastle;
* Be Familiar with Fix protocol;

## Business skills

* Deeply understand how hedge fund works
* Contribute to the following core systems
  + Security Master
  + Price Master
  + Position service
  + PnL service
  + Realtime risk analysis
  + Regression test and trading engine
  + SSRS Reporting/SAP BI Reporting
* Daily technical support for desk

## Soft skills

* Ambitious leader to drive the team to be eager to success;
* Good mentor for junior team members and help them growth;
* Have good communication skills with either local or foreign colleagues;
* Be willing to share knowledge sessions and promote the productivity of the team;
* Introduce tools and improve development processes to enhance the productivity;

# Work Experience

## Pine River Capital Management

**Sep. 2011 – Present | Software Engineer, Vice President**

Pine River Capital Management is a leading hedge fund based on US. The firm won several awards on Hedge fund field in recent years.

My responsibilities are to design, implement and maintain software to support business. I work on the fundamental IT application/services used by the whole company. These applications/services are so critical for business that I am required to support it on 7 \* 24, too.

Everest (C#, C++ | Windows | MFC, Win Form, WPF, WCF, SSRS)

Everest is the core business system to support all daily operations in the firm. It manages securities, prices instruments, maintains trades, calculates position and PnL and etc.

##### Responsibilities

* Add new functionalities based on business requirements;
* Maintain the system and bug fixes;
* Refactor the out-of-date architecture;
* 7 \* 24 on call support;

Mojave (C# | Windows | WCF, LINQ to SQL, Concurrency programming, Iron Python, RESTful services, Impersonation/Delegation)

Mojave is a group of core services used by offices around the world. It is a middle layer between databases and individual applications.

##### Responsibilities

* Add new functionalities based on business requirements;
* Maintain the system and bug fixes;
* Refactor the out-of-date architecture;
* 7 \* 24 on call support;

### Realtime Risk Service (C# | Windows | WCF, Concurrency programming, Bloomberg API)

### Realtime Risk Service will calculate risks faced by the firm and valuate the risk scenarios according to some predefined and historical data. These calculations/valuations are based on realtime position and price.

##### Responsibilities

* Design and implement the system;
* 7 \* 24 on call support;

Currency Exposure Utility (C#, JavaScript, CSS | Web | WCF, LINQ to SQL, Concurrency programming, jQuery)

The utility is used to balance the currency exposure. It will generate the currency trades automatically based on current exposures. It is a web-based application.

##### Responsibilities

* Design the implement the utility;

Reporting (SQL, SAP BI | Windows | SSRS, SAP BI)

The original reports are written in K. We converted about 120 K reports to SSRS reports and then to SAP BI reporting.

##### Responsibilities

* Convert the old K reports to SSRS reports, and then to BI reports;
* Verify the new reports;
* Create new reports on business requirements;
* 7 \* 24 on call support;

Automation Jobs (C/C++, C# | Windows | WCF, LINQ to SQL, Concurrency programming, Dapper, Bloomberg API)

There are about 100 automation jobs running continually every day. These jobs will fetch the raw finance data, price the instruments, valuate the risks, update the database and etc.

##### Responsibilities

* Add new functionalities based on business requirements;
* Monitor the job status and support the cases if needed;

## Thomson Reuters

**Jun. 2010 – Sep. 2011 | Principle Software Engineer/Team lead**

Thomson Reuters is the biggest intelligence information provider around the world.

I managed 2 teams with 7 developers and 2 projects there.

ReferenceWire (C# | Windows | WCF, NHibernate, Concurrency programming, Low latency, High availability)

ReferenceWire is designed to collect news from news agencies around the world. There are about 80 news agencies to collect. The format of news and the protocol of transport vary from each agency. The performance and latency are critical for the application because of the nature of news. Another important requirement is that the system allow never lose any news and allow none outage of service.

##### Responsibilities

* Lead the team
* Manage the process by Agile development;
* Design the architecture;
* Design and implement the collection framework;
* Set up the development environment;
* Set up the continuous integration progress;
* Design the measure system and improve the performance;
* Mentoring and training the team;

FastWire (C/C++ | Windows | Fix protocol, Boost, Concurrency programming, Low latency, High availability)

FastWire is design to collect regulatory news from Exchanges. It requires to be very low latency and robust.

##### Responsibilities

* Lead the team
* Manage the process by Agile development;
* Design the architecture;
* Set up the development environment;
* Set up the continuous integration progress;
* Mentoring and training the team;

## IGT

**Jun. 2009 – Jun. 2010 | Senior Software Engineer**

IGT has been the leading company specializing in design, development, manufacturing, distribution, and sales of computerized gaming equipment, software, and network systems worldwide since 1981.

I worked as a senior engineer to lead 2 developers on core gaming component - Bet component. I introduced Build Verification Test process and write several tools to improve the development process. I was the founder member of learning committee, which develops/performs learning plan across the company.

Refactor on Bet component (C/C++, Lua | UNIX, Windows | UNIX, Eclipse, STL)

Bet component is one of the most important components for gaming system. We introduce a new rule-based bet component to replace the original code-based Bet component.

##### Responsibilities

* Introduce new rule-based Bet component;
* Develop a demo game for new Bet component;
* Lead a small team to collaborate with US team;

Process tools including Continuous Builld and Build Verificaiton Test (PowerShell, MSBUILD | Windows | Continuous Build, Build verification test)

I introduce continuous build and build verification test for the team.

##### Responsibilities

* Introduce the process;
* Write the build script and verification script;

## Agilent Technologies

**Dec. 2005 – Jun. 2009 | Senior Software Engineer**

As the world's premier measurement company, Agilent offers the broadest range of innovative measurement solutions in the industry.

I worked on Agilent VEE product with top performance (top 10%) every year.

Agilent VEE 7.5/8.0/8.5/9.0 (C/C++, C#, Objective C | Windows | Complier, Intellisense, Type Inferring, Native windows, WinForm, WPF, COM, CodeDom, MAF, MEF, Addin, Windows message, P/Invoke)

Agilent VEE is a powerful graphical programming environment for automated test, measurement and advanced analysis.

##### Responsibilities

* Release 4 major versions and several minor versions;
* Own key features for every release;
* Manage release process;

## Computer Sciences Corporation

**Jun. 2004 – Dec. 2005 | Analyst Programmer**

CSC is a big business solution provider over 5 decades.

I worked as Analyst Programmer for Insurance industry.

# Education

## Beijing University of Technology

**Sep. 2001 – Jul. 2004 | Computer Science | Master | Beijing**

* Focused on artificial intelligence;
* Participated in 3 projects founded by Nature Science Foundation of China and published 5 relative papers;
* Administrator for the Key Lab of Beijing Multimedia and Intelligence Software, as well as DBA;

## Beijing University of Technology

**Sep. 1996 – Sep. 2001 | Computer Science | Bachelor | Beijing**