SOFTWARE ENGINEER

Summary

Talented software engineer with passion for software development, enjoys programing and has extensive experience in all major platforms including Windows, Linux/Unix, Mac, iOS and Android.

Highlights

- VC++, MFC, Linux C, STL, C#, ASP.NET, MVC, Ajax, ADO.NET, WCF, Java/JSP
- Extensive background in De-Duplication, Cloud Computing, SaaS, Workflow/jBPM, Agile/Scrum
- Skilled in MySql, MSSQL, Oracle, Javascript/jQuery, HTML, CSS, UML, Design Patterns
- Hands-On experience with Spring, Hibernate, iBatis, iOS/Cocoa/Mac, Android, Python

- Over 10 years of experience in software design and development
- * Solid fundamentals on computer science and OOD/OOP

Accomplishments

- Worked in global top IT companies for 7 years, participated the building of asian largest cloud computing platform (similar with Amazon EC2).
- Invented some new algorithms for differential backup and de-duplication which can help the company save storage cost by 50% in the next 5 years.
- Won the 1st place and 2nd place in the company's innovation competition and received $15,000 prize.

Experience

Software Engineer
February 2012 to Current Mastercard ï¼ Saint Louis , MO

- The 1st place and 2nd place winner of the company's innovation competition.
- one of the reviewers, a board director, wrote to the CEO says: "I thought Niels was particularly impressive.
- You need to recruit more people like him." Invented and implemented some new algorithms for differential backup and de-duplication, those algorithms significantly improved the performance, effectiveness and scope, they are innovative in the cloud storage industry.
- C++, FastCGI, RESTful API) Led a small team developed a Sync & Share application (similar with Dropbox), which has all major platform versions including PC, Mac, iOS, Android and Web client.
- VC++/MFC, Obj-C/Cocoa, Java, ASP.NET) Led a small team developed the bare metal restore application.
- NET, VSS, VDS, VHDX, NTFS) Participated the design/development of the VMWare and Hyper-V backup/restore modules (.NET, C++) Individually developed a prototype of the cloud-to-cloud backup application which backs up the data of SaaS applications like Google Docs, Salesforce and Office 365 to Amazon S3 (C#, AWS, Dedup) Faced to the tech support team resolved the escalation bugs Won the 1st place and 2nd place in the company's innovation competition (called Shark Tank), there is a report about this event on Business Jounal: http://www.bizjournals.com/boston/blog/startups/2014/02/intronis-gives-two-employees-10k-to.html.

Senior Software Engineer
August 2008 to February 2012 General Motors ï¼ Atlanta , GA

- Worked in the biggest internet company in China, as a core developer and sub-system team leader involved in building the company's Cloud Computing Platform(similar with Amazon EC2), which managed 400,000 servers.
- Led a small team designed/implemented a infrastructure monitoring system, it monitored the servers(Linux, Unix and Windows) and network devices(switches, routers and firewalls), gathered their profiles and health status, then put those informations into the configuration database.
- Meanwhile, the system built the instance network topology, just like a IT infrastructure map with instance traffic.
- Linux C/C++, VC++/MFC, C#/ASP.NET, MySql).
- Designed/Implemented a workflow-engine driven cloud platform operating system (similar with Amazon AWS management console).
- ASP.NET, MVC, Ajax, RESTful).

Senior Software Engineer
July 2005 to August 2008 General Motors ï¼ Buffalo , NY

- Worked in the global leading telecommunication equipment company, as a software engineer involved in building the company's internal HR&OA applications.
- As a core developer designed and implemented the HR&OA applications' SaaS version, which operated by the company's partners, the Chinese major telecommunication companies, China Telecom and China Mobile.
- Individually worked on the workflow engine which was driving the HR&OA applications, improved and extended the workflow engine.
- Participated the CMMI 5 processes optimization.
- Technologies: C#, ASP.NET Oracle Java Spring Struts iBatis work*ow jBPM UML.

Physics Teacher
July 2003 to July 2005 Primrose Schools ï¼ Smyrna , TN

- Worked as a Physics teacher in a high school, was highly appreciated by the students and their parents.

- Worked as a Physics teacher in a high school, was highly appreciated by the students and their parents.
- Meanwhile, as a hobby, learnt and practiced C++ and .NET during spare time.

Education
Bachelor of Science : Physics , 2003 Hubei Institute for Nationalities ï¼ City , China
Skills

.NET, ASP.NET, ADO, Agile, API, backup, C, C++, Chinese, com, CSS, client, database, driving, engineer, English, firewalls, HTML, http, HR, innovation, Java, JSP, Javascript, Languages, team leader, Linux, Mac, director, C#, MFC, Office, Windows, MVC, MySql, network, operating system, optimization, Oracle, developer, Physics, processes, Python, routers, servers, MSSQL, Struts, switches, teacher, tech support, Telecom, telecommunication, UML, Unix, Visual C++, VC++, Workflow