Self Introduction

I am an experienced J2EE software engineer. I want to apply this position—JVM Developer, just because I am interested on lower level of System. I have accumulated enough knowledge about lower level of System, such as how the Linux Kernel works. Now I am looking forward to applying my knowledge in the practice and further improving my skills and knowledge.

The following is my profile against the requirement in the job description.

* Ability to learn quickly with an interest in learning new things

I am a quick learner, especially when I am learning the things on which I am interested. After I graduated from university, I realized that I am more interested on Computer Science than my major, so I self-studied Computer Science and successfully become a J2EE software engineer.

* Motivation—interest in JVM work and interest in learning new operating systems (HPUX and VMS)

Sure, I am interested in how JVM works. I already know how the Linux kernel works, I want to know how the JVM is implemented on top of the Kernel. It is also good to know more kernel such as HPUX and VMS.

* Flexibility and teamwork C interesting and willing to chip in with routine tasks to help the team get the overall job done

I am a team player. I have been part-time Server Administrator and Database Administrator in the team and has ever supported almost every team member.

* JVM experience

I have had a look on the source code of the Hot Spot JVM after Sun open sourced it. I have analyzed its build process. Most of the code are written in C^{++}, but some C^{++} language features like Exception are not used.

* Interest in how things work at a lower systems level.

I am interested in things at a lower systems level. For example, I am interested in synchronization issues involving multiple threads. In order to understand the synchronization, I have to know how it is implemented in the hardware level, such as atomic operation and Memory Bus Lock, without this kind of lower level knowledge, I don't think I really understand how synchronization works.

I am interested in operating systems Kernel, I have read "Understanding Linux Kernel", "Linux Kernel Scenario Analysis", and "Linux Kernel Development" many times to understand how Linux works. memory management subsystem is one of the most complex component of the Kernel. I know the structure of virtual memory management quite well.