James Ma

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Senior Software Engineer
Design and maintenance of custom software solutions.

   I am a senior software engineer offering ten years of experience in the development, testing, and documentation of software projects. I have worked in the design and maintenance of custom software solutions, including automating software testing regimes.

   This includes design documentation, estimating engineering effort, and working with separate Product Development, QA testing, and Project Management teams across multiple offices and state lines. I also have ten years of experience communicating with non-technical users to describe software product features and other technical information.

Technical Tools & Skills
Java, JavaScript, .Net, XML, HTML, TCP/IP, Visual Studio.Net, Eclipse, SQL, MS SQL Server, MySQL, PostgresSQL, C, C++, C#, Maven, Apache Ant, Bash Shell Script, Python, GTK, Redhat and Debian Linux/GNU System Administration

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Professional Experience
Software Engineer, 01/2007 to Present – Intelligrated (Intelligrated is now part of Honeywell), Frederick, Maryland

   Intelligrated is a leading North American-based, single-source provider of intelligent automated material handling solutions around the world. I specialise with the software programming and troubleshooting of these systems.

- Develop, maintain, and troubleshoot code with Java and C# at the Enterprise level
- Provide Level 2 customer hotline technical support
- Performed performance and regression testing of applications
- Develop and maintain various MSSQL scripts
- Extensive unix shell script and C code development under the SCO Openerver and Redhat Enterprise GNU/Linux environments
- Set up and maintained Windows and Linux guest virtual machines as test environments on VMWare server and VMWare ESX Server and VirtualBox
- Assisted in setting up and maintaining server and workstation hardware, including replacing PCI cards, hard disks, and cdrom drives.
- Extensive knowledge of IP networking (setting IP routes, configuring iptables-

based firewalls, setting up Virtual Private Networks (PPTP, SSTP, and OpenVPN), setting up Ethernet bridges, and using virtual network interfaces)
- Set up and maintained Subversion respositories and Git and Mercurial version control systems
- Experience installing and deploying Windows 2003, 2008, and 2012 Servers
- Experience installing and deploying a variety of Linux servers, such as RedHat Enterprise, Gentoo, Debian, and ArchLinux, and am familiar with their respective package managers (rpm, emerge, apt-get, and pacman) as well.
- Experience installing and deploying Microsoft SQL Server, PostgresSQL, and MySQL systems.
- Experience installing and maintaining Apache web servers
- Experience with Tomcat and JSP serverlets
- Experience with jUnit testing framework
- Experience with using JIRA for bug tracking and Confluence
- Experience with Agile development and SCRUM, performing and participating in code reviews
- Experience with using Jenkins for automated test builds
- Experience with JAD (Java decompiler) and Apache Common BCEL.
- Developed applications that relied on Websphere MQ
- Developed and maintained UIO framework and Linux Kernel Module drivers

Education
University of Maryland, College Park, MD - Bachelor of Science in Computer Science, 12/2006

Personal
I enjoy reading, drinking green tea, cycling, and learning new foreign languages.