

THUSJANTHAN KUBENDRANATHAN, M.Sc.

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PRACTICAL TECHNICAL SKILLS

- **Programming:** Java (J2EE/J2SE), C/C++, Objective-C, Python, PHP, Perl/CGI, SQL, *nix Shell Scripting, Visual Basic, UML, Flash CS5, Dynamic HTML (HTML 4.0, Cascading Style Sheets (CSS), JavaScript, AJAX, XML, DTD, XSLT, CGI, ASP, DOM, OLAP, OpenGL
- **Programming Frameworks:** Spring Framework with Hibernate ORM, Acegi Security, Velocity template engine, Cocoa Touch (iPhone iOS 4.1/iPad), Django, jQuery/jQuery-UI, prototype, ExtJS, Drupal (CMS).
- **Databases:** MySQL, DB2, MS SQL Server 2005 and 2008, Oracle, Sybase, Zope
- **Operating Systems:** Ubuntu, Red Hat, Suse, any *nix platform; Windows 7, XP, 2000; Mac OS
- **General Applications:** WebSphere Application Server, IIS, Tomcat Apache, Sun One Studio/Application Server, Eclipse, Visual Studio 2008, IntelliJ IDEA/JBuilder, Microsoft Office (Word, Excel, PowerPoint, and Access), StarOffice, OpenOffice, Business Objects XI, Crystal Reports XI
- **Graphical Applications:** Adobe Photoshop, Gimp

INTERPERSONAL SKILLS

- Quick learner: able to understand new concepts easily through self-teaching
- Organized: able to plan ahead, meet deadlines and can very work well under pressure
- Natural leader: able to lead sub-ordinates and co-workers to reach a common goal while maintaining good rapport
- Effective communicator: excellent professionalism and concise written skills

WORK EXPERIENCE

Lead Developer/Systems Consultant

Simon Fraser University, Burnaby BC

July 2006 - Present

- Developed a novel method of replicating and maintaining a shadow database from a Tier 3 DB2 system from the main SFU database. This allowed the computing science department to lead development on user driven applications.
- Using the new found data, created a development platform using Spring Framework along with Hibernate as the ORM, Acegi as the security module and Velocity as the templating engine. Deployed several applications on this platform using Maven as the packaging tool.
Deployed a new development framework to meet directors open source requirements using Django a python based framework. Redeveloped the development framework and introduced jQuery as the javascript framework. Developed and deployed many applications using this framework and was acknowledged by the director and the associate dean of computer science at school meetings.

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Lead Developer/Systems Consultant (Continued)

- Gave lectures to first year students on introduction to programming and the importance of the use of svn repositories.
- Introduced virtualized servers using VMware on the Ubuntu platform and maintain these servers to ensure security/software updates. We now operate on the enterprise level of VMware vCenterServer.

Architecture Support Engineer

Business Objects, Vancouver, BC

September 2005 – July 2006

- Installed and configured many varieties of databases such as Oracle 10g, SQL Server 2000/2005, Informix, etc. Also installed and configured many Application Servers such as Sun One, Oracle 10g AS R2, Web Sphere 5.0, Web logic 8. IIS, etc.
- Gained extensive knowledge in the use of VMware to test and report bugs by configuring Business Objects with the various databases, web servers and etc.
- Performed diagnostics of Servers, Database Repositories, Network topologies, TCP/IP fundamentals, TCP/IP utilities, and WAN/LAN and Remote Access technologies
- Gained extensive knowledge in setting up Business Objects with products such as Siteminder, Kerberos.

Web Developer / IT Specialist

Christopher Van Twest LLB, Vancouver, BC

November 2005 – December 2006

- Developed, maintained and hosted 6 individual websites for the firm.
- Maintained network security policy and the availability of office computer resources including servers, workstations, laptops, printers and multimedia equipment.

Technical Support Engineer

Quest Software Canada, Toronto, On

October 2004 – August 2005

- Wrote code snippets in C++, Java, and Motif to aid in customers environment testing.
- Debugged coding questions experienced by clients using DeployDirector, Jclass, and XRT.
- Tested JClass and XRT continually to discover and report any new bugs to R&D. These test cases were mostly Functional, Stress, Configuration and other forms of Black Box testing.
- Developed sample Java code to demonstrate a possible solution to technical concerns.

J2EE Application Developer

Sun Microsystems Inc. Toronto, On

September 2003 – April 2004

- Learned Java Beans, Java Servlets, JSP, Oracle and more throughout this position in order to apply this knowledge to the following projects.
Developed a project called the Canadian Opportunities Registration Program (CROP) for internal Sun employees to track new opportunities to Sun. CROP's backbone was built using the new technology Struts which is an extension of MVC. It used LDAP for its authentication and Java Beans for its modular computations and JSP's to interact with the front end users.

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J2EE Application Developer (Continued)

- White Box Testing: Functional, System, Performance, Configuration, Stress and Unit testing were done midway in the project as well as at the completion. Black Box testing was written by a colleague and was tested by myself.
- Completed a continuing project called Event Registration to track down all new events that happen at Sun Internal. This project was developed using JSP's along with an Oracle database.

Freelance Web Developer

February 2004 – January 2007

- Design proposals for prospective customers on their projects for approval.
- Design the structure of the application and which languages/database structure would suit best.
- Designed the database model and implemented the front end.
- Host many sites on a private hosting server and provide technical support for them.

Programmer/System Administrator

Environment Canada, Toronto, On

May 2002 – September 2002

- Developed CGI/Perl scripts to ensure restricted personnel had access to classified information.
- Repositioned as a System Administrator for a portion of the servers that I was working on.
- Set up users on the server to connect remotely and have restricted space allocations.
- Was responsible for the well maintenance of the IT systems at the MAGS.

Shift Manager

Pizza Hut, Toronto, On

Septemer 1998 – August 2005

- Administered closing and opening procedures and created schedules for a staff of 30. Handled customer complaints to ma

EDUCATION

Simon Fraser University

2009-2010

Master of Science, Computing Science, Databases and Data Mining

- Graduated with a 3.8/4 GPA
- Dissertation Published: <https://theses.lib.sfu.ca/thesis/etd6280>
- Teaching Assitant of 4th year Web Based Information Systems course. Marked students web application projects in the language and framework of their choice. Followed strict coding standards.

University of Toronto

2000-2004

Honours Bachelor of Science, Computing Science, Software Engineering Stream

- Received the Millennium Scholarship

INTERESTS

- Playing recreational/competitive ice hockey, volleyball, tennis, soccer.
- Snowboarding, mountain climbing, camping, hiking, and other outdoor activities.
- I love reading data mining articles from acm and kdd to see the new and interesting research ideas.