Adviteeya K. Udaya Kumar

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EDUCATION

New York University

Master of Science, May 2011, Major: Computer Science   GPA: 3.69

COMPUTER SKILLS

Programming/Scripting Languages:	C, C++, Java, C#, JavaScript, ADA, Scheme, ML
Frameworks:	Spring, Hibernate, JXB, CXFUtils, CPS
Operating Systems:	Microsoft Windows, UNIX (Solaris), Linux
Database Development:	MS SQL, Oracle, DB2, Sybase
Web Site Development:	HTML, CSS, XML
Applications:	MS Office, NetBeans, DBArtisan, Perforce, TOAD, SQL Developer, Eclipse, Putty, Dr. Scheme, Microsoft Visio

WORK EXPERIENCE

Accenture Services Private Limited (July 2007- Feb 2009)

Medicines and Healthcare products Regulatory Agency, MHRA

MHRA is regulatory agency responsible for ensuring that medicines and medical devices work, and are acceptably safe. Carried out Knowledge Transfer sessions for the new joiners drafted into the project, performed Sentinel Health checks and developed modules to support infrastructure framework. The work was in Java on Linux based hardware. In addition, created Test plans and several Regression test scripts.

Accenture Human Resources Solutions, AHRS

AHRS deals with the Human Resource (HR) portal wherein personalized information is presented to employees depending on their credentials. Was involved in the complete test cycle (Plan, Prep and Execute phases).

London Stock Exchange, LSE

Worked on several applications to support a trading system for executing orders. Involved in the design and development. The work was done using Java and C++.

Morgan Stanley (Aug 2011 – May 2012)

Corporate and Banking Technology (Market Risk Team)

Involved in the development of high performance, low latency applications for the market risk team to evaluate the Company's risk exposure taking into account risk measures like VaR, Stressed VaR, Systemic Risk etc. Daily job included meeting with the client to gather and analyze requirements; make system design decisions; evaluate, integrate and develop necessary software; as well as test and deploy the applications to production.

INTERNSHIPS

Morgan Stanley, Technology Summer Intern (May 2010 – Aug 2010)
Project Name: Compass
The General Ledger (GL) is the core repository of company's financial records. There are 2 periods during which the GL processes journals from various upstream applications - GL and Topside periods. Once a particular period has completed, a date card is created and flipped to indicate that the GL has officially closed for that period. Was involved in creating frameworks and components necessary to access the date card, store the date card information in the Compass database and send acknowledgements back to the GL to confirm the receipt of the date card. This effort required understanding the business and technical domains, technologies and designing the functional flows to develop the project. The application, deployed as a Web Service was developed in Java with Frameworks CXFUtils, CPS, Spring and Hibernate being used.

ACADEMIC PROJECTS

Location Tracker (Visveswaraiah Technological University)
Developed an application which when loaded into a Cellular phone could track the whereabouts of a person. The application was built using Java, J2ME while SQL was used to query the server.

Stock Exchange and Strategy Simulation (New York University)
Simulated a stock exchange that supports market orders and limit orders. Users can place, cancel and modify their orders. Also developed a simulator to test if a given strategy makes profit. Both applications were built in Java.

Graphics Editor (Visveswaraiah Technological University)
Developed a Graphics Editor that allows users to draw, edit and save pictures on the computer screen. The project was developed in C language.

Concurrency Control and Recovery Mechanisms on a Distributed Database (New York University)
The project, a Multi-Programming application built in Java, dealt with implementing concurrency control and recovery mechanisms on a distributed database spread across 10 different sites. The approach involved implementing the available copies algorithm to replication using two phase locking at each site and validation at commit time. Deadlocks were avoided using wait- die protocol in which older transactions wait for younger ones, but younger ones never wait for older ones. Read-only transactions were executed using multi-version read consistency.

ACHIEVEMENTS
1. Honored with a 'Celebrating Performance Award' at Accenture.
2. One among the 6 interns selected from a total of 160 to present my work on the Compass project to the top brass of Morgan Stanley that included the COO, CFO, Managing Directors, Executive Directors etc.