

Lohitaksha Chitre

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Education:

Northeastern University, Boston, MA

December 2008

Master of Science in Computer Science

Courses: Algorithms, Principles of Programming Languages, Web Development, Methods of Software development, Databases

CMR Institute of Technology, Bangalore, India

June 2005

Bachelor of Engineering in Computer Science & Engineering

Courses: Data Structures, Computer Networks, Operating Systems, Internet Programming, Software Engineering

Technical Skills

General Programming: Java, C#, C/C++, Data Structures, OOP, Design Patterns, TCP/IP, XML

Web Programming: PHP, ASP.NET, Servlets/JSP

Web Development: Javascript, CSS, AJAX, Web Services(.NET, JAX-WS), SOA

Databases: Oracle, MS SQL Server 2000, MySQL.

Business Intelligence: Informatica, Cognos, SQL Server DTS, Business Objects

Operating Systems: Windows, Linux

Testing Frameworks: JUnit, NUnit, PHPUnit, Selenium RC Server

Tools: Eclipse, NetBeans, Visual Studio.NET

Certification: Sun Certified Java Programmer 5.0 certification completed

Professional Experience:

Lycos, Waltham, MA

May 2008 – Aug 2008

Software Intern

- Worked on creating a Web based **dashboard** application. The dashboard showed various statistics about users visiting the web site. Application was coded in **PHP** with a **MySQL** database and utilized the **MVC** design pattern.
- Wrote **unit testing** scripts for various modules using **PHPUnit**. Did **web testing** of parts of a web site using **Selenium RC** Server and **PHPUnit** to record various actions and the script the corresponding tests.
- Worked on a project to do load testing and performance tuning of a **Jabber** chat server. Wrote tests in **Java** using **multi-threading** to load the server with many requests and then used **JProfiler** to profile the server. Wrote tests in **C** for direct raw socket access to the server following the **XMPP** protocol steps for communication.

Infosys Technologies, Bangalore, India

Aug 2005 - July 2007

Software Engineer

- Underwent 2 months of rigorous training and completed a **Web based** Project for creating a basic Banking application using **Java**, **JSP**, and **Oracle**. Involved in creating JSP pages and business logic and exception handling.
- Project for a British Oil firm. Worked on the data warehousing module. The objective was to use to load various sources of data into a data warehouse. The project involved writing complex **SQL** queries with lots of **SQL optimization** as speed was an important criterion. The database used was **SQL Server 2000**. Developed **ETL** package on **SQL Server 2000 DTS** for the loading of data. Involved in unit testing the front end GUI module. Created **.NET NUnit** scripts for this purpose. The project involved Continuous Integration. Made use of **CruiseControl.NET**.

- Project for a US based Safety Testing firm. Involved in development and maintenance of the project. Worked on Informatica, Cognos, Oracle. Developed new and maintained existing **Informatica** mappings, and also worked in creating and maintaining reports in **Cognos ReportNet** and also in **PowerPlay**. Worked extensively in **Oracle** specially in writing SQL queries.

Projects

- **Microsoft Imagine Cup 2005:**
Did project for a competition called Microsoft Imagine Cup, in the Software Design category. The project involved creating a **distributed system**, supporting multiple clients. The clients were both Web based and **mobile clients**. The application was done using **ASP.NET, C# and SQL Server 2000**. Worked on parts of the business logic and database interfacing. Reached the **All-India Finals** of the Imagine Cup and finished in the **final 3**.
- **ARQ Protocols Implementation**
The project was done to implement the **Automatic Repeat Request (ARQ)** protocols. **Java** was the programming language used. The **Stop and Wait** and the **Go-Back N** protocols were implemented. The system involved **simulation** of an entire network system consisting of 3 clients. One client modeled a queuing system. **Networking delays** and **packet losses** were also simulated.. Extensive use of **multi threading** was made to synchronize and control the flow of the entire system.
- **Bit Torrent File Distribution**
A project done with **C++** in **Linux** to demonstrate the **Bit Torrent** file distribution concept on a **LAN**. The project implemented the Bit Torrent concept to try and show how **file distribution** could **optimized**. It involved creating a complete distributed system with a **Tracker**, a **Server** and Clients connecting. In addition a complete socket and networking library was created to help in the development. The platform was **Linux** and programming language used was **C++**. Extensive use of the **Standard Template Library** was made.
- **Data Mining:**
Project done to perform Data Mining on a huge set of data. Programming was in **Java**. The objective was to **predict ratings** users would give to movies, given their previous rating history. Made extensive usage of **Java Collections** and coded for **algorithmic optimization**, to achieve a **high speed** of execution.
- **Time Table Generator**
A project done to create a time-table for a college. Given a set of classes and teachers, allotting the teachers to the classes. The user could specify **constraints**. Experimented with various **scheduling algorithms**. The project was done with **C++**.
- **Travels Web Site**
A project to create a web site. A sample Travels company Web site was made. The was done in **ASP.NET, C#, SQL Server 2005** and **LINQ**. It also included a sample shopping cart module.

Extracurricular Activities:

Played Badminton at State-level and was a State-ranked player.