



KARAN MANKODI

SOFTWARE DEVELOPER

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ACADEMICS

Northeastern University, Boston, MA

Master of Science – *Information Systems*

September 2012 – August 2014

GPA – **3.4/4.0**

University of Mumbai, India

Bachelor of Engineering – *Information Technology*

July 2008 – June 2012

TECHNICAL SKILLS

Languages: Java, C#, HTML5, CSS3, JavaScript, JQuery, PHP, Hadoop, MapReduce.

Databases: MS SQL Server 2008, MySQL, MS Access, Mongo DB, Cassandra.

Skills: Software Development Methodologies, Agile Development, Object Modeling, UML, Mockups, Photoshop.

PROFESSIONAL EXPERIENCE

Eze Software Group, Boston, MA

Software Developer Co-op

May 2013 – December 2013

- Designed and developed a project on Windows Communication Framework, to cache Financial Information Exchange Protocol connections on the fly and ensure availability using MS Visual Studio 2010. Optimized the system to reduce efforts by 200 man-hours per month.
- Accessed data from different services in a multi-threaded environment using C# delegates and events.

Northeastern University, Boston, MA

Graduate Research Assistant

June 2014 – Present

- Redesigned and restructured the existing data model in MS Access using normalization techniques.
- Synchronized data between ApplyYourself.com and the college database & generated reports in Visual Basic.

Reliance Industries, Mumbai, India

Enterprise Content Management Intern

July 2011 – September 2011

- Generated reports and S-curves for different Ports using Reliance's in-house Content Management System.

ACADEMIC PROJECTS

- Designed and developed a responsive website to model Boston University's Student Link by using Twitter's Bootstrap framework, advanced JQuery scripting and FPDF library in Dreamweaver. Handled user sessions and MySQL database connections using PHP.
- Developed a multilingual information system to help avoid drug counterfeiting by managing the drug supply chain and taking measures to verify legitimate sources using Java Swing in Netbeans IDE.
- Developed a web-based CPOE system by using the MVP design pattern to maintain patient records with their medical history, manage doctor appointments and prescriptions using Google Web Toolkit in Eclipse.
- Created a chat application using Google's Channel API and hosted it on Google App Engine.
- Created a wiki application to perform CRUD operations on to a text file by using servlets and JSP.
- Developed a Java application to parse log files into MongoDB and performed MapReduce to analyze patterns within the files.
- Designed and implemented a canvas-based drawing board using HTML5 and CSS3.
- Developed a microprocessor based RFID project to allow the administrator to alert staff in the vicinity through a desktop application created using Visual Basic 6.
- Created a multiplayer, interactive pong game using Python's Tkinter UI library in Eclipse. (Personal Project)
- Experimented with Ruby on Rails by creating a basic blog application. (Personal project)

INTERESTS

Photography, learning new technologies, teaching, graphic designing and sports.