Sheetal Umesh Kumar

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Work Experience

Ideeli Inc, New York City, NY
Software Engineer, Jul 2011 - Nov 2012

- Raised new visitor conversions five-fold by streamlining the customer registration process.

- Fixed a broken credit card authorisation system, retaining customers who otherwise would be unable to make purchases.

- Replaced a legacy returns/refunds system with a more robust implementation.

- Implemented many other features, including a favourites section, an address book, product recommendations and tools for internal users.

- Implemented performance metrics measurement for the digital asset management system. Improved site-wide performance by serving assets from the CDN and spritifying images to reduce HTTP requests, etc.

- Improved front-end testing by introducing Jasmine and integrating it into Ideeli's test suite.

- Worked primarily in Ruby on Rails and Javascript, in an agile (Scrum) environment.

Interactive Partners, New York City, NY
Software Engineer, May 2011 - Jul 2011

- Assorted front-end and back-end engineer for various Ruby on Rails projects.

Enter: New media, New York City, NY
Software Engineer, Dec 2010 - Apr 2011

- Worked on a reporting and analytics system using Lift+Scala+MongoDB, to provide reporting features for clients and partner companies.

Children's Progress, New York City, NY
Software Engineer, Jan 2009 - Dec 2010

- Developed majority of the user interface code for a web 2.0 admissions assessment application.

- Lead developer for an award winning customer support application used to manage 200,000 users. Designed the interface with input from the customer support team and implemented the views and controllers(of MVC).

- Created features for an interactive reporting application used by teachers and administrators.

- Ported a desktop assessment application to run on the web using XULRunner.

Skills

- **Languages/DBs:** Ruby, Php, Scala, Java, C, Javascript(+Ajax), MongoDB, MySQL, Riak, HTML, CSS

- **Frameworks/Libraries:** Rails, Sinatra, CakePHP, Lift, JQuery, Jasmine, QUnit, Backbone, LessCSS

- **Tools/Misc:** Emacs, Bash, Jshint, Git, Mercurial, SVN, SBT, Maven, Jira, Mantis, FogBugz, TestRail, Firebug, Crucible, Hudson, Jenkins, LaTeX

- **OS:** Linux, Mac

Education

Master of Science, Computer Science
Dec 2008
University of Texas at Dallas
Dallas, TX

University of Texas at Dallas, Dallas, TX
Research Assistant, Sep 2006 - Jul 2007

- Developed a web crawler in Java to search science journals for manuscripts/abstracts containing search terms using.

- Conducted research on various topics in Bioinformatics including text mining to study protein-protein interaction by sequence pattern.

Academic projects

- A web server with the PIC 16F84 chip

- A floppy sized distribution of Linux

- Various database management systems

- OS mutual exclusions and recovery protocols

Bachelor of Engineering, Computer Science
Aug 2005
Vishweshwariah Technological university
Mysore, India