Saurin Shah

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EDUCATION

NYU-Polytechnic School of Engineering   08/2010 – 01/2012
MS in Computer Science   GPA: 3.67

- Relevant Courses: Scientific Computing, Machine Learning, Engineering Practices in Business Environment, Theory of Computation, Design and Analysis of Algorithm, Application Security, Computer Networks.

WORK EXPERIENCE

Freelance   4/2013 - Present
Software Engineer

Currently, working as a freelance developer for various organizations and independant projects. Provide complete, back end to front end solutions across multiple platforms.

- o Developing applications which leverage various Social Network and Consumer APIs such as Facebook, Twitter, Amazon, Google, Zillow, etc. using their various SDK.
- o Use various javascript libraries such as D3.js(SVG), three.js(WebGL), sigma.js (canvas), etc. for Data Visualization.
- o Familiarity with MVC architecture Zend(PHP).
- o Work independently as well as part of a team in various SDLCs (Agile and waterfall).

Misys, New York   6/2011 - Present
Associate Business Analyst for Loan IQ

- **Configurable APIs**
- o Initiated this project based on observation of revenue lost due to lack of resources for core development for customization of existing APIs. Designed a framework to allow customers to add custom behavior to existing APIs.
- o Led the project as product owner in Agile SDLC. Responsible for specking, designing, testing and research.
- o Partnered with QA to augment QA effort. Conducted training sessions for various user groups (including QA, consultants, developers, client and other Business Analyst. Validated QA testing results. Wrote unit tests in JavaScript and constructed XML based APIs.
- o Implemented enhancements that had been rejected due to lack of resources for core development as proof of concept.

FGI Risk Services   02/2011-06/2011
PHP Intern

- o Studied company processes, gathered requirements and prepared business specifications
- o Developed and maintained both - the front end (HTML, JavaScript, JSON, jQuery, Ajax, CSS) and the backend (PHP, JavaScript, JSON, MySql) to contribute to the content management system (CMS) module of the product that helped operations team to configure the system for the end users.
- o Optimized the code by reducing redundancies and implementing various good coding practices like code reuse, object oriented programming, modifying SQL queries to reduce load on the server, etc.
- o Performed unit testing while developing. Ran integration and regression testing at the end of development.

NYU-Polytechnic School of Engineering, New York   01/2011 – 04/2011
Academic Project (Subject: Machine learning)

- A project on content based Image retrieval for data mining. That is, using the features in an image to search the database for images with similar features (like searching content on the internet based on keywords). The feature extraction was done using Fourier Analysis on images in Matlab.
- Data mining using machine learning tool Weka. 5 different machine learning algorithms were tested for various sizes of sample data and analysis was performed to decide the most effective algorithm based on the given parameters.
- A database of over 1000 images was used as a test database. Various concepts of mathematics and programming such as matrix manipulation, Fourier Analysis, Perceptron Algorithm, etc. were used in the process.

ACHIEVMENTS AND AWARDS

- Awarded Merit Based Scholarship at NYU-Polytechnic School of Engineering for 3 consecutive semesters (Through out the period of the Course).
- Won 1st prize in Technical Paper Presentation in Annual 2010 IEEE festival in Mumbai.
- Part of College Dramatics Team (Undergraduate level) for 2 years. Won first prize at 8 events, 2nd in 2 events. Performed at IIM Bangalore festival Unmaad and won 2nd prize.

SKILLS

- Technology: Javascript, jQuery, D3, WebGL, PHP, Java, Matlab,etc.