

## Pratik Patel

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### EDUCATION:

- **New York University Polytechnic School of Engineering**, Brooklyn, NY, USA **December 2014**  
*Masters of Science in Computer Science, GPA: 3.5/4.0*
- **Mumbai University**, Mumbai, Maharashtra, India **June 2012**  
*Bachelor of Computer Science & Engineering GPA: 3.9/4.0*
- **Shree Bhagubhai Mafatlal Polytechnic**, Mumbai, Maharashtra, India **May 2009**  
*Diploma in Computer Science, GPA: 4.0/4.0*

### TECHNICAL SKILLS:

**Programming Languages:** C, Java, Python, and Visual Basics 6.0

**Web Technologies:** HTML5, CSS3, PHP, JavaScript, jQuery, AngularJS, ReactJS, NodeJS, GulpJS, GruntJS, Bootstrap, GIT

**Cloud Services & Databases:** Amazon Web Services, Google App Engine, Oracle, MySQLs, MongoDB, MS Access

**Content Management Systems:** Wordpress, Joomla, Drupal, Oscommerce, Magento

**Operating Systems:** Mac OS X, Linux, Windows

**Software:** Netbeans, Eclipse, Rational Rose, Xcode, MS Office

### RELEVANT COURSEWORK:

Web Search Engine, Cloud Computing, Software Engineering, Design and Analysis of Algorithms, Database Management Systems, Data Structure and File Management, Operating Systems, Network Security, Artificial Intelligence.

### ACADEMIC PROJECTS:

- “Web Indexer & Query Processor”:** (Language: Python) **January 2014 – April 2014**
- Built an application to generate inverted indexes from the crawled data set of complete .nz domain achieving I/O efficiency, VarByte & Delta compression and Data Encoding on byte level.
  - Created a query processor that uses the generated indexes to give the results using Boolean AND queries using Conjunctive Document-at-a-time (DAAT) query processing, caching of LFU query results and BM25 ranking function.
- “Focused Web Crawler”:** (Language Python) **January 2014 – February 2014**
- Developed a web crawler that takes a query as an input and crawls webpages only relevant to that query.
  - The crawler was designed to be multithreaded for maximum throughput; page relevance was calculated using BM25 score and maintained a blacklist to avoid re-crawling.
- “Twitter Buzz”:** (Language: Java, HTML, Twitter API, Xcode and Google App Engine) **January 2013 – May 2013**
- Designed a web-based application that fetches tweets from “Twitter” using Twitter API. Tweets were fetched from a particular region and related to specific category based on user input, then it performs sentiments analysis on these fetched tweets and displays the results to the users. Used Google App Engine to store and cache the tweets hence resulting in faster performance.
  - Developed iOS application as well for it during my iOS course.
- “On Demand Elastic Cloud Infrastructure”:** (Language: Java and Amazon Web Services) **January 2013 – May 2013**
- Created an application that provides and manages the virtual infrastructure of a company. It allots on-demand resources (Virtual Machines) to the employees when load exceeds and releases the resources when not being used, achieving active monitoring of resources with help of Amazon Auto-scale API. Provides backup support so that employee can continue their previous work.
- “Gaano.com(Language: PHP, MySQL, HTML, CSS, JavaScript and Amazon Web Services)”:** **January 2013 – May 2013**
- Developed a website which streamed video songs through YouTube Api as well as it provided the information related to songs like artist name, genre, etc via Last.fm Api. Users were able to search songs based on the name, artist, and genre. Also users were able to create and save playlists of songs.
- “PinPictures”:** (Language: PHP, MySQL, HTML, CSS and JavaScript) **January 2013 – May 2013**
- Developed a “Pinterest” like social networking website that allows users to connect with each other, create personalized picture boards, like and comment on pictures and follow other users and their picture boards.
  - Main focus was on database design, query optimization and ER modeling.
- “MyNetflix”:** (Language: PHP, MySQL, HTML, CSS, JavaScript and Amazon Web Services) **January 2013 – May 2013**
- Built a video streaming service like Netflix allowing users to stream, rate and comment on videos. Amazon Web Service was used to host the website. S3 bucket was used to store the videos and CloudFront was used for streaming and caching the videos.
- “Online Market”:** (Language: PHP, MySQL, HTML, CSS and JavaScript) **June 2011 – May 2012**
- Developed an E-Market where people can buy, sell and advertise products on the lines of e-Bay and Amazon.
  - Implemented PayPal payment method using PayPal sandbox server.
- “BloodBank”:** (Language: PHP, MySQL, HTML, CSS and JavaScript) **January 2010 – May 2010**
- Developed an online centralized web portal, where blood banks and hospitals can look for blood donors in their nearby area allowing blood banks to find a donor quickly.
  - It also keeps the record of donor’s health report for quick evaluation.

## WORK EXPERIENCE:

### Sabre Corporation Senior Software Developer

January 2017 - Present

#### Responsibilities:

- Working as a Senior Full-Stack developer involving technologies like ReactJS, Redux for front-end and .Net for back-end.
- Brining concepts into reality by separating the idea into small modules and developing each of them individually and then integrating the modules.
- Coordinating project activities and ensuring that all project phases are followed and documented properly.
- Worked on website related implementation flow of the project using wireframes and prototypes
- Extensively involved in coding of project related wireframes and prototypes.
- Designed the front-end application, **user interactive (UI) web pages using web technologies like React JS, Redux and Node JS.**
- Did extensive **Javascript** and **JQuery** programming to give **Ajax** functionality for the website.
- Involved in creating and implementing RESTful Web Service API's.
- Experience in cross browser compatibility check and thoroughly performed unit testing and integration testing.
- Designed dynamic and browser compatible pages using **HTML5/HTML, DHTML, CSS and Javascript.**

**Environment:** HTML5, SASS, Javascript, JQuery, Bootstrap, ReactJS, Redux, .Net, Lodash, NodeJS, ImmutableJS

### Cambay Consulting LLC

#### Client – Sabre UI/UX Developer

January 2016 – January 2017

Sabre Corporation (NASDAQ: SABR) is a leading technology provider to the global travel and tourism industry. Sabre's software, data, mobile and distribution solutions are used by hundreds of airlines and thousands of hotel properties to manage critical operations, such as passenger and guest reservations, revenue management, and flight, network and crew management.

#### Responsibilities:

- Working as a Full-Stack developer involving technologies like ReactJS, Bootstrap for front-end and .Net for back-end.
- Coordinating project activities and ensuring that all project phases are followed and documented properly.
- Worked on website related implementation flow of the project using wireframes and prototypes
- Extensively involved in coding of project related wireframes and prototypes.
- Designed the front-end application, **user interactive (UI) web pages using web technologies like React JS, Redux and Node JS.**
- Did extensive **Javascript** and **JQuery** programming to give **Ajax** functionality for the website.
- Involved in creating and implementing RESTful Web Service API's.
- Experience in cross browser compatibility check and thoroughly performed unit testing and integration testing.
- Designed dynamic and browser compatible pages using **HTML5/HTML, DHTML, CSS and Javascript.**

**Environment:** HTML, CSS, Javascript, JQuery, Bootstrap, ReactJS, Redux, .Net, Lodash

### Sun Source

August 2015 – November 2015

Contributed in design and development of company's website(www.sunsourcejewelry.com). Also, worked on building inventory management system internal to the company, which triggers email upon depletion of inventory at retail stores.

#### Responsibilities:

- Worked as a UI/WX developer involving technologies like AngularJS, Bootstrap for front-end and NodeJS for back-end.
- Contributed in development of core architecture and functionality of the website based on the requirements provided by the client.
- Designed the front-end application, **user interactive (UI) web pages using web technologies like AngularJS and Bootstrap.**
- Did extensive **Javascript** and **JQuery** programming to give **Ajax** functionality for the website.
- Experience in cross browser compatibility check and thoroughly performed unit testing and integration testing.
- Designed dynamic and browser compatible pages using **HTML5/HTML, DHTML, CSS and Javascript.**
- Configured, administered and deployed the application on the server on Amazon AWS.

## Egen Solutions Inc.

Client - McCann Torre Lazur

April 2015 – August 2015

### UI Developer

McCann Torre Lazur(MTL) is part of McCann Health, one of the largest global networks in the health care industry. It's an award winning marketing and advertising division, which helps their customers by building banners, emails and websites for their marketing campaign. MTL specializes in delivering outstanding healthcare communications to professionals and patients via print and interactive media.

#### Responsibilities:

- Created emails, banners and websites for various brands like Tivicay, Advair, Upravi, etc for their marketing campaign.
- Coordination in project activities and ensure that all project phases are followed and documented properly.
- Work on website related implementation flow of the project using wireframes and prototypes
- Extensive involved in coding of project related wireframes and prototypes.
- Designed the front-end applications, **user interactive (UI) web pages using web technologies like HTML and CSS.**
- Redesign the website using technologies of **HTML5 and CSS3.**
- Used JQuery-Ajax plug-in to GET the data in JSON format and displayed on HTML page.
- Created animations **using jQueryUI and TweenLite JS.**
- Experience in cross browser compatibility check and thoroughly performed unit testing and integration testing.
- Designed dynamic and browser compatible pages using **HTML5/HTML, DHTML, CSS and Javascript.**
- Developed fast loading images using **Adobe Photoshop CS3.**
- Developed CSS styles to maintain the uniformity of all the screens throughout the application and positioning of screen objects.
- Developed page layouts, navigation, animation buttons and icons.
- Tested ads on DoubleClick studio which is provided by Google.
- Tested emails on Litmus to make sure that consistency is maintained across all client mail apps.

**Environment:** HTML, CSS, Javascript, JQuery, JQuery UI, JSON, Ajax, TweenLite JS framework, Photoshop, Bootstrap

## Teaching Assistant at New York University Polytechnic School of Engineering

September 2013 – January 2015

- Grader for Programming Language course in Fall 2013, Fall 2014 and grader for Network Security course in Spring 2014 under Professor Thomas Reddington at NYU-Poly. Also, helped students to solve their queries and doubts.

## Fetise (www.Fetise.com)

May 2012 – August 2012

- Fetise is India's leading fashion retailer for Men making luxury affordable for all. Developed a new module to display products for Fetise ecommerce site which is based on Zen cart, which is an ecommerce and online store management system. Also, created modules for mobile site, listing product categories and product page for Fetise.

#### Responsibilities:

- Actively involved in gathering requirements from business and defining specifications for the system.
- Performed extensive analysis of system and business requirements, and business rules.
- Actively Coordinated project activities and ensured that all project phases are followed and documented properly.
- Worked in a team, involved in developing the UI, layout and front-end programming.
- Used AJAX Framework for Dynamic Searching of product sales Information.
- Performed client side validations using JavaScript.
- Did extensive **Javascript** programming to give **Ajax** functionality for the website.
- Built dynamically generated dropdown lists **using Ajax.**
- Design website and maintain the website content up to date.
- Experience in cross browser compatibility check and thoroughly performed unit testing and integration testing.
- Re-designing/ developing the main website to improve user experience and add new functionality using **CSS layouts**

**Environment:** HTML, Javascript, Ajax, CSS, JSON, JQuery, XML, Apache.

## Slam-Book - Social Networking Web Portal (www.slmbk.com)

January 2008 – January 2009

- Cofounded a Social networking website for filling up slam books. The site brings alive the concept of maintaining cherished memories forever and integrates it with an intuitive social networking experience, now used for e-commerce. Ranked #235 in *Tata's Hottest Startup* in 2008.

**Responsibilities:**

- Bought concepts into reality by separating the idea into small modules and developing each of them individually and then integrating the modules.
- Gathered requirements and defined specifications for the website.
- Worked with fellow co-founders, involved in developing the UI, layout and front-end programming from wireframes.
- Work on website related implementation flow of the project using wireframes.
- Developed websites home page, user's profile page and user's privacy settings page.
- Designed the front-end applications, **user interactive (UI) web pages using web technologies like HTML and CSS.**
- Designed dynamic and browser compatible pages using **HTML, DHTML, CSS and JavaScript.**
- Did extensive **Javascript** and **JQuery** programming to give **Ajax** functionality for the website.
- Performed client side validations using **JavaScript.**
- Developed **SQL queries** to perform insert, update or delete operation on **MySQL** database.
- Experience in cross browser compatibility check and thoroughly performed unit testing and integration testing.
- Deployed and administered the website and managed MySQL database to maintain the information of the users.

**Environment:** HTML, Javascript, Ajax, PHP, CSS, JSON, JQuery, XML, Apache, MySQL