Tushar Mathur

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EDUCATION

B.E. Information Technology, **University of Pune**   **June 2006   May 2010**

Graduated from **Army Institute of Technology** attaining the highest term work in the batch, for computer projects. Developed new version of games such as *Tetris, Tic Tac Toe, Sudoku* and softwares such as *a Text Editor with Syntax Highlighting and Autocompletion, an LZW File Compressor, a Database Management System,* and *Web based Blogging Platform.*

EXPERIENCE

Insights Analyst, **Edcetera (Non-Profit), Bangalore**   **Since   Aug 2013**

Educate school going children on acquiring knowledge through computers and internet. Responsible for giving a technical perspective to the NGO's business tasks.

Software Developer Applications, **Z.S. Associates, Pune**   **Jan 2011   Jan 2013**

Clearing all rounds of interview, which according to **Glassdoor** is one of the toughest in the industry.

Trainee Technology, **Sapient Consulting Pvt. Ltd.** Bangalore   **Jul 2010   Dec 2010**

Underwent training for basic *Java* and *Delivery Approach* to get hands on experience of real life delivery project with respect to the phases, roles, project processes and technical know how.

Developed an E-Commerce application using *WCS, Hybris, ATG* and *Interwoven* as a part of the training.

Software Developer Intern, **Indigo Architects, Pune**   **Aug 2009   May 2010**

Pursued internship beyond the academic curriculum to enhance web development skills. Worked on HTML, JavaScript, asp.net, SQL Server, Entity Framework, WebServices and Windows Services.

PROJECTS

Have worked on multiple projects through the *Full Software Development Life Cycle*. Adhered to *Agile Software Development* and *Scrum* with transcontinental teams.

ZS Forecast Manager   *ZS Associates*   **May 2011   Jan 2013**

Collaborated with contractors in Russia to migrate the application to standard SAAS production servers. Investigated ways to refine the application's *Deployment Process* and improved its efficiency by **30%**.

Designed and developed core features of the application. Completely migrated the application's GUI to an *MVVM* based architecture. Implemented *Asynchronous Module Definition* pattern for client side Javascript, effectively reducing page load time of the application by **40%**.

User Experience Team   *ZS Associates*   **Oct 2012   Jan 2013**

Worked on harmonizing the user interface across the Javelin suite. Developed fluidic web layouts and customizable *jQuery* plugins that could be integrated into the application directly from the *CDN*.

ZS Data Integration Service   *ZS Associates*   **Jan 2011   May 2011**

Evaluated various cloud based data integration tools such as *Boomi* and *Pervasive* to integrate our in-house *ETL* tool *Javelin Data Manager* with *Salesforce*. Reported a major bug in *Boomi* which was negating its evaluation for weeks.

Designed and developed solutions for making *Javelin Data Manager* communicate with *Boomi* using rest based web services. Trained the consulting team on *Boomi Integration* with in-house tools.

Social Networking on Maps   *Undergraduate*   **Jan 2010   Mar 2010**
Implemented *Machine Learning* algorithms to recommend friends and places according to one's profile, current location, places visited in the past and one's social connections, all in *Real Time*. Worked extensively on *Aesthetics, Browser Compatibility* and *Mobile/Tablet portability*.

OPEN SOURCE

Since   Jan 2013

Worked on various Open Source Softwares on **Github** to learn more about developing *Desktop*, *Web* and *Native Mobile* applications using *HTML, CSS* and *JavaScript*. Created applications that have users world wide.

PNR Status: An OSX Application for Indian Railways that fetches PNR *(Passenger name record)* status and notifies the user when the berth is confirmed.

Html Scraper: Developed a high performance scraper with Node.js to extract data using *CSS selectors* and saving it into a JSON or a CSV file format.

Multi Threaded Downloader: Developed a library that uses *Segmented File Transfer* technology to enhance bandwidth utilization. It supports auto resuming of downloads from the last transferred byte. Also wrote a console wrapper for it to assist in downloads, and to display download statistics.

Super Cache: A Google Chrome Extension for developers, which overrides server set caching policies on client side. The extension has around *300* users.

ShareBill: A web application to manage shared expenses, between people. Implemented an algorithm based on heuristics to minimize total number of transfers required to clear debts between them.

Multi Key Dictionary: A Javascript library that provides a more efficient data structure than a multi dimensional array.

Projects contributed to: *wintersmith*, *step-gh-pages*, *gisto*.

SKILLS
Programming: C#, C/C++, HTML, CSS, Javascript, CoffeeScript, Jade, LessCSS, Unix Shell, PowerShell, LessCss, Jade.
Softwares: .Net, Git, Subversion, TeamCity, Node.js, Grunt.js, jQuery, Knockout.js, Visual Studio, Re-Sharper, Sublime Text, SQL Server, Boomi, Pervasive cloud, MVVM, MVC, ORM, Entity Framework, Windows, Mac OSX.

ACHIEVEMENTS
- Received the **First Prize** in a national level programming contest at **Bharati Vidyapeeth College of Engineering, Pune**.

- Received **Sponsorship** from **Calsoft Inc.** for the under graduate project   *Social Networking on Maps*.