Tushar Mathur

Telephone: +91-9672555803
Email: tusharmath@gmail.com
Website: http://tusharm.tk

EDUCATION

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

Attained the highest term work in the batch, for computer projects. Developed a 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

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

Clearing all rounds of interview, which according to Glassdoor are 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 Interwowen as a part of the training. Was also trained about Soft Skills and Time Management.

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

Pursued internship beyond the academic curriculum to enhance web development skills.

PROJECTS

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

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

Investigated ways to refine the application's *Deployment Process* and improved its efficiency by **40%**. Created automation scripts for generating binaries, bulk database migration, updating scheduled tasks and setting up environment specific configurations.

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 **60%**.

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 been to in the past and his social connections, all in *Real Time*. Worked extensively on *Aesthetics, Browser Compatibility* and *Mobile/Tablet portability.*

OPEN SOURCE

Worked on various Open Source softwares on [Github](#) to learn more about developing *Desktop*, *Web* and *Native Mobile* applications using only *JavaScript* and *Node.js*. Created applications that have users world wide.

PNR Status: An OSX Chrome Application for Indian Railways that fetches PNR *(Passenger name record)* status in real time 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 used *segmented file transfer* technology to enhance bandwidth utilization. It supported 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 Chrome Extension for developers, which overrides server set caching policies on static resources.

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 people.

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, Unix Shell, PowerShell.
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](#)*.

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