Tushar Mathur

Telephone: +91-9672555803
Email: tusharmath@gmail.com
Website: http://tusharmath.github.io

EDUCATION

University of Pune, B.E. Information Technology   May 2006   May 2010
Awarded with the highest term work in the batch for computer projects.

EXPERIENCE

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

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

PROJECTS

Social Networking on Maps   *Undergrad*   Jan 2010   Mar 2010
Implemented algorithms to recommend friends according to one's profile and current location in
real time. Worked extensively on aesthetics, browser compatibility and mobile/tablet portability.

ZS Data Integration Service   *ZS Associates*   Jan 2011   May 2011
Evaluated various cloud based data integration tools such as *Boomi* and *Pervasive* to integrate *Javelin Data Manager* with *Salesforce*. Reported a major bug in *Boomi* which was inhibiting and negating its evaluation. Designed and developed solutions for making *Javelin Data Manager* communicate with *Boomi* using rest based web services. Trained the consulting team on *Boomi Integration.*

Forecast Manager   *ZS Associates*   May 2011   Jan 2013
Investigated ways to refine the application's deployment process and improved its efficiency by 98%. Created automation scripts for   generating binaries, database migration, updating scheduled tasks and setting up environment specific configurations. Designed and developed core features of the application. Reduced page load times of the application by almost 80%.

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*.

OPEN SOURCE

PNR Status: An 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 implemented *segmented file transfer* technology and auto resumed downloads from the last transferred byte. Also wrote a console wrapper to assist in downloads and display download statistics for it.

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 storage mechanism than a multi dimensional array.

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

SKILLS

Programming: C#, C/C++, HTML, CSS, Javascript, CoffeeScript, Unix Shell, PowerShell.

Softwares & Technology: .Net, Git, Subversion, TeamCity, Node.js, Visual Studio, SQL Server, Boomi, Pervasive cloud.

ACHIEVEMENTS

- Won the first prize in a national level programming contest at Bharati Vidyapeeth College of Engineering.