

Javascript Engineer

A TDD evangelist

Tushar Mathur

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Education

B.E. Information Technology, Army Institute of Technology (Pune University)

June 2006 — May 2010

Experience

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

Senior Software Engineer, **Practo Technologies Pvt. Ltd., Bangalore**

Jan 2014

Software Developer Applications, **Z.S. Associates, Pune**

Jan 2011 — Jan 2013

Trainee Technology, **Sapient Consulting Pvt. Ltd. Bangalore**

Jul 2010 — Dec 2010

Software Developer Intern, **Indigo Architects, Pune**

Aug 2009 — Oct 2009

Projects

<http://tusharm.com/projects.html>

Practo Search (Practo Tech.): Setup local and CI env for Test Driven Development and Acceptance Testing, maintaining a code coverage of over 98%. Re-architected the frontend JS code, enhancing modularity and enabling dependency injection.

Forecast Manager (ZS Associates): Refined the deployment process and improved its efficiency by 30%. Designed and developed core features of the application. Migrated the GUI to an MVVM based architecture. Optimized page load time by 40%.

User Experience Team (ZS Associates): Worked on harmonizing the user interface across the Javelin suite. Architected and implemented a publishing strategy for dynamic web layouts on a CDN.

ZS Data Integration Service (ZS Associates): Evaluated cloud based data integration tools such as Boomi and Pervasive, to integrate our in-house ETL tool — Javelin Data Manager with Salesforce. Designed and developed integration solutions. Trained the consulting team on Boomi Integration with in-house tools.

Geocode Your Life (Undergraduate): Implemented a flavor of the K-means Clustering algorithm to recommend friends and places to visit according to one's profile and social connections. Worked extensively on aesthetics, cross browser compatibility and mobile/tablet portability.

Open source — Highlights

<https://github.com/tusharmath>

SHEQL* : A CSS inspired, schemaless approach to schedule repeated & cyclic events beyond Google Calendar's capacity.

HTML Scraper: A high performance HTML scraper, to create data dumps by crawling websites as per user defined rules based on custom implementation of ES6 Promises.

Multithreaded Downloader: A library that uses Segmented File Transfer technology to enhance bandwidth utilization. Supports auto resuming downloads from the last transferred byte.

Super Cache: A Google Chrome extension that overrides server set caching policies on client side. Has around 300 users currently.

ShareBill: A web application to manage shared expenses. Auto-suggests minimum number of transfers required to clear balances. Supports HTML5 based offline access.

Web Offline Seed: A seed project, implementing complete workflows and best practices, for quickly bootstrapping HTML5 based offline Web Application.

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

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

Skills

Programming: C#, C, HTML, CSS, Javascript, CoffeeScript, Jade, LessCSS, Stylus, PowerShell, Node.js, .NET.

Softwares: Git, Subversion, TeamCity, Travis-CI, Visual Studio, Re-Sharper, Sublime Text, SQL Server, Boomi, Entity Framework.

Achievements

- **First Prize** in the National Level Programming Contest at Bharati Vidyapeeth College of Engineering, Pune (2010).
- Received **sponsorship** from Calsoft Inc. for the under graduate project — Geocode Your Life (2009).