Javascript Engineer

TDD evangelist, _ enthusiast

Tushar Mathur

www.tusharm.com

tusharmath@gmail.com

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

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. Improved perceived page load performance over edge connection by 60%.

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

Open source — Highlights   https://github.com/tusharmath

Chaining Tatum: A streamable interface, designed to make async tasks easier to manage.

Node IOC: An ES6 based dependency injection module, with container management, support for custom resolution, providers and cyclic dependency tracking.

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 selectively overrides server set caching policies on client side.

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+Angularjs+Coffeescript based offline Web Application.

PNR Status: A 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: HTML, CSS, Javascript, CoffeeScript, Jade, LessCSS, Stylus, Node.js, AngularJS, BackboneJS, ExpressJS, Koa.
Softwares: Git, Github, Travis-CI, Webstorm, Sublime Text.

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).