

# Jagtesh Chadha

Web Developer / Front-end Engineer / Web UI Developer  
LAMP and Open Source technologies

## RESUME

151 Airforce and Naval Officers' Enclave  
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## PROFILE

I'm a result oriented web-applications engineer, specializing in Linux, Apache, MySQL and PHP (LAMP) stack. I've developed large scale consumer driven web-applications, including social networks. A significant amount of my work revolves around front-end engineering and development using HTML, XHTML, CSS and Ajax. Other notable areas of experience include:

- UI Prototyping
- Requirements gathering
- Training
- Documentation

## TECHNICAL SKILLS

**PHP, MySQL, Apache, Linux, HTML, JavaScript, CSS, SQL, XML, XHTML, JSON, REST, Python, Perl, Ajax, Symfony, CodeIgniter, Smarty, Propel, Doctrine, Prototype, MooTools, jQuery, blueprintcss, YUI, Amazon Web Services (S3), Subversion (SVN), Git, URL rewriting (mod\_rewrite), regular expressions, SEO.**

*Prior experience with C, C++, C# and Visual Basic.*

## EDUCATION

### **B.E, Computer Science and Engineering**

(2004 – 2008) PES Institute of Technology, Bangalore

## TOOLS OF TRADE

Emacs, TextMate, Git, Adobe Photoshop, Firefox, FireBug and many cups of tea (the kind we drink).

## PROFESSIONAL EXPERIENCE

### **Independent Consultant**

(June 2009 – present)

- OrbitPulse.com – Designed and developed the web-interface.
- Bitely.net (in progress) – Creating this web-application in Python + Django for faster development. Would be building a rich Ajax based interface for a real-time experience.
- nikhilvelpanur.com – Designed the theme for this personal home-page (excluding the art-work).
- jagteshchadha.com – Designed a theme for the personal home-page along with a simple web-interface keeping aesthetics in mind.

### **James Blake Internet Services – New Delhi**

Project Coordinator (March 2009 - June 2009)

- Directly interacted with UK clients.
- Documented the progress of each project extensively via proposal document, task-lists, checklists and UI test documents.
- Charted out project plans.
- Coordinated development effort through the designers and developers.
- Managed a team of 5 designers and developers.
- Assumed full ownership of up to 4 active projects at a time, occasionally chipping in to code (PHP/HTML) and design (HTML/CSS/Illustrator/Photoshop).

## **Strange Labs – Bangalore**

Co-founder, Co-architect and Lead developer (September 2007 - February 2009)

- Co-architected, designed and developed a social-networking web-application using Symfony PHP framework in a team of 3.
- Initiated the use of Git DVCS for easier collaboration through all projects.
- Designed and developed an e-commerce web-application for selling food packages online.
- The web-applications were architected to scale with increased usage.
- Several techniques were used for scaling such as minimized CSS/JavaScript, byte-code compilation (using PHP accelerator) and a separate server for hosting static files and other assets (nginx, Amazon S3).
- Organized the technical aspects of all events hosted by Strange Labs.
- Was the front-end engineer for all projects.

## **Brighter India Foundation – Bangalore**

Software Engineer (September 2008 - January 2009)

- Architected and spearheaded the development of a web-application with over a hundred thousand users, using open-source technologies (based on LAMP).
- Trained 2 recruits in Elgg, SCM (using Git), Symfony and MySQL.
- Developed internal applications/scripts in Python.
- Was the front-end engineer for all projects.
- Developed web-interfaces using HTML, CSS and MooTools/Query.
- Devised strategies for handling heavy traffic and scaling in the future.

## **Thought-Machine – Bangalore**

Web-applications Developer / Intern (April 2007 – September 2007)

- Worked on an enterprise level web-application based on LAMP.
- The work involved 2 modules in particular, one of which required picking up the know-how of Sphinx, full-text search engine.
- Managed to integrate Sphinx search into the product, providing the fastest full-text search mechanism possible.
- Documented the entire process for aiding rest of the team.

## OPEN-SOURCE CONTRIBUTIONS

1. **LibSMSSharp** <http://code.google.com/p/libsmssharp/>  
It's a C# library written to interface with mobile devices and allow sending SMS / text-messages through them. Effectively, it's a low-cost DIY alternate to an SMS gateway where message volumes would be low.
2. **FlickD!** <http://code.google.com/p/flickd/>  
This is a movie manager, which started out as a hobby project to manage movie collections. It can automatically recognize and add most popular movie formats from a given location to a searchable list (stored as XML). The GUI is built for minimal click during operation and supports real-time search. An XSL template is provided to access the Ajax enabled XML dataset without the GUI. This was done to allow for sharing movie collections over email / thumb-drives.
3. **Unable** <http://code.google.com/p/unable/>  
This is an enhanced fork of Notable, a note taking application written in C# by Bret Taylor. Unable includes several bug fixes and feature additions over Notable.
4. **Dhanush** <http://github.com/jagtesh/dhanush>  
A POSIX compliant shell for Unix and Linux systems.  
It was a research project to study the usage of \*nix system level APIs.
5. **Orbit Pulse Wordpress theme** [http://github.com/jagtesh/op\\_theme](http://github.com/jagtesh/op_theme)  
A Wordpress theme developed for Orbit Pulse in XHTML and PHP. This theme is optimized for search engines and advertising.

## PUBLICATIONS

- **My ISO Experience**, IC CHIP Magazine (September 2004)  
An experience recounted, on how I managed to burn an ISO image onto a CD from a stock Windows XP install; using only the tools provided by MS.
- **NTLDR Learns to GRUB**, IC CHIP Magazine (October 2004)  
Describes the procedure to boot into Linux through NTLDR (pre-dates BCD)