

# Amol Mittal

Web Developer/Designer  
<http://amol.humsara.com>

## In Brief

As a web developer, I strive to create innovative and enjoyable user experiences and do work I can be proud of. I am quick study for new concepts, stacks and environments, and prefer to find the best tools for the task at hand. I like working in close-knit teams of equally dedicated and passionate people who truly enjoy what they are doing. Above all I am looking to work with people and teams from whom I can learn from just as much as I can contribute.

## Skills

### Full Stack Development

Python (Flask),  
PHP (Yii, Codeigniter, Laravel, Wordpress).  
Microservices, API based application design  
MySQL, ElasticSearch  
Vagrant, Jenkins, CI, nginx, AWS, git, svn  
jQuery, React, Node, grunt, Backbone

### Product / Web Design

Product Development & UI Design / AB Testing

## Experience

- **NerdWallet**

**Software Engineer**

**Jan 2014 – Present**

Core member of the Credit Cards Team supporting all efforts in full stack capacity.

- Built custom ETL framework (python) to extract, normalize and ingest partner data.
- Set up draft-validate-publish system and procedures for all partner data updates.
- Built custom cms (python, node, react) to allow team to curate, maintain and audit all credit cards team data. Built tools to ensure integrity over data responsible for more than 90% of company revenue.
- Refactored legacy monolithic php app to use python microservices
- Built libraries and APIs to centralize data in a multi-app, multi-language ecosystem

- **Loveforever.com**

**Lead Software Engineer**

**Feb 2013 – Dec 2014**

Took over as Lead Developer for a new Relationship Platform, geared towards providing online video counseling for couples.

- Refactored and modularized application based on php codeigniter
- Built a custom Quiz framework for couples assessment and matching
- Built a video chat platform including appointment scheduling service for one on one video chats with licensed Relationship Counselors using OpenTok WEBRTC services.
- Redesigned entire website to a new modern responsive skin.

## Experience Continued

- **the8Factors.com**  
**Sr. Web Developer** **Feb 2012 – Nov 2012**  
Maintained and updated all aspects of CodeIgniter/MySQL based website. Created custom shopping cart with promo code capability and integration with Stripe payment system. Developed custom admin panel/cms for report generation and data/content administration.
- **Flash Application Developer** **2010**  
OfferpalMedia : Converted Offerpal's Javascript/HTML based social currency board to a Flash (AS3) version that game creators could embed in their games and other products. Created an easy to implement flash API for publishers to incorporate the Offerpal FlashWall into their applications.
- **Vook.com**  
**Web/UI Developer** **2009**  
Served as full stack Developer helping out in various areas of a small team startup, including site UI upgrades. Refactored legacy static site to a db driven dynamic application. Developed custom CMS to maintain site content.
- **Graspr.com**  
**Flash Application Developer** **January 2008 – December 2008**  
Responsible for creating and maintaining all flash based products for first year Instructional Video Startup
  - Created custom data driven Flash Video Players with AMF remoting, PHP, MySQL backend.
  - Created tracking system for recording usage statistics to help analyze player feature popularity.
  - Designed and created a Multi-Video Player with a unique and easy to use vertical scrolling interface for quickly switching between videos providing a fluid user experience.
  - Integrated all video players with the Yume AD Delivery engine.
  - Designed and helped develop an AIR based Desktop Application for uploading Videos to Graspr.
- **AlphaDetail Inc.**  
**Flash Application Developer** **March 2006 – December 2007**  
Part of the engineering team responsible for developing and maintaining proprietary set of flash based survey design and creation systems. Created numerous flash components and tools to be used by the production team in creating advanced interactive survey products.
  - Spearheaded a unique debugging client in Flash, capable of communicating with the survey product at runtime. This debugger helped the production team speed up completion of survey products while also providing the testing team with much needed tools to run simulated/repeatable tests.
  - Contributed to numerous design interface improvements for the survey elements.

- **IET Mediaworks at University of California, Davis**

**E-Learning Developer**

**April 2003 – June 2005**

- Lead developer for online Advance Placement Spanish course.
- Headed a team of 5, from training, project management, and quality assurance
- Made critical design and User Interface decisions for porting course content from educators into the proprietary Flash application. This involved assessing visual challenges posed by the type of content and creating innovating interactive interface components to best fulfill the need.
- Created numerous unique form and interactive components to facilitate language learning and test taking in the flash environment.

## Other Personal Projects and Experiments

- **SlickBuilds.com**

**Founder/Designer/Developer**

Sole web developer/designer for unique niche community site for enthusiast PC Builders. Designed and implemented a php5/mysql backend html5/jquery/ajax frontend based dynamic tool to aid pc builders to find components and share pc builds with community. Built admin tools to maintain a component database of 200k+ entries. Integrated with affiliate merchant databases for updated products and prices.

- **PicDrops**

**Founder/Designer/Developer**

My attempt to bring sanity to the online photo sharing world. I built a database driven Javascript WebApp that runs on most tablets as well. In its current (very much alpha) state, it serves mainly as a facebook photo viewer. I personally designed and developed the entire site, using HTML5 CSS Javascript (jQuery, Backbone, Underscore), Facebook API, MySQL, PHP.

- **as3Kiva – Open Source Kiva API Wrapper in ActionScript 3**

<http://code.google.com/p/as3kiva>

Created a simple to use and extremely versatile wrapper class for accessing methods provided by the Kiva.org developer API, to not only aid my own Kiva projects but to attract other flash developers to develop for the Kiva platform.

## Education

**University of California Davis 2000 – 2004**

**Major: Computer Science and Engineering**