

Amol Mittal

Software Engineer | Web Developer

<http://amol.humsara.com> | 415.504.1967 | amol@humsara.com

Summary

Software Engineer with 10+ years of experience with Full-Stack Development using PHP, Python, MySQL, and modern JS technologies. I am passionate about web development and like to find the best tools for the task at hand. I'm open to learning new technologies and practices and wish to work with dedicated and enthusiastic teams that I can learn from, share experiences with and grow together.

Experience

SmugMug : Software Engineer June 2016 – Present

As a core member of the commerce team, I helped manage a fully custom eCommerce application, the back end order processing flow, and custom administration and support tools.

- Refactored and modernized legacy code for the shopping cart processes to REST Api
- Built a modern responsive eCommerce shopping cart in ReactJS/Redux.
- Spearheaded a redesign of Shipping and Billing checkout flows for superior UX.
- Refactored Unit testing env and implemented standard mocking and testing libraries for team.
- Helped teams move towards Agile Development practices.
- Prepared numerous technical briefs and proposals in efforts of refactoring decade old legacy code base.

NerdWallet : Software Engineer Jan 2014 – May 2016

Core member of the Credit Cards Team supporting all efforts in a 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
- Participated in Hiring and helped onboard/mentor new/junior team members.

Loveforever.com: Lead Software Engineer Jan 2014 – 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 framework
- Built a custom Quiz framework for couple's 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 and implemented a modern responsive skin.

Experience Continued

- Freelance Web Developer & Designer 2009 - 2012
The8Factors – Prime developer for CodeIgniter/MySQL based eLearning product. 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.
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 - 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.

- Flash Application Developer 2003 - 2008
Graspr.com: Created & Maintained all flash products for first year Instructional Video Startup, including Custom Video Players, Banners, PHP backed flash applications and video editors.
AlphaDetail Inc. – Maintained and upgraded proprietary set of flash based survey design and creation applications. Spearheaded a unique runtime debugging client in Flash for our primary app.
IET Mediaworks at UC Davis - Lead a team of 5 to build a one of a kind AP Spanish course in flash. Made critical design and User Interface decisions for porting course content from educators into the proprietary Flash application.

Other Personal Projects and Experiments

- SlickBuilds.com : Founder/Designer/Developer
Sole developer/designer for 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.com : Founder/Designer/Developer
My attempt to bring sanity to the online photo sharing world. I built a single page JS App 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.

Skills & Education

- Full Stack: Python (Flask), PHP (Yii, Codeigniter, Laravel) | node, jQuery, ReactJS | MySQL
- Microservices, API driven application design, UX Design (Wireframing/Mocks/Prototypes)
- Experience working with: Vagrant, Jenkins CI, nginx, AWS EC2, git, svn
- University of California Davis, 2000 – 2004 : Computer Science and Engineering