

Jaisen Mathai

(513) 317-4683
jaisen@jmathai.com

Objective

Utilize my design and programming experience to work on a large scale website in a team environment

Experience

Yahoo!: Software Systems Development Engineer

Dec. 2007 - Present

- Building out Yahoo!'s social networking initiative through a Universal Profile
- Scaling the application to expect 20 million users upon initial roll out
- Learning and implementing custom software developed at Yahoo!

Socialbib.com: Lead Developer

Aug. 2007 - Present

- Integrated the Amazon Search API to search for books by specifying ISBN, title or author
- Successfully integrated with Facebook using the Facebook Platform
- Built a credit system which keeps balances for students allowing them to exchange books
- Created a custom PHP framework which enabled the team to complete the project in 4 weeks



The home page is optimized for low cpu usage, disk IO and network latency (PHP, Memcache)



Utilizes the Amazon.com API to provide search results for books (PHP, REST)



Sentences are constructed using natural language wherever possible (PHP)



All forms use a custom JavaScript form validator written using prototype.js (JavaScript)

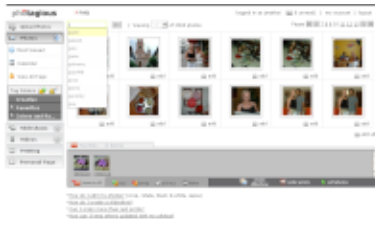


Designed and implemented the entire site in 4 weeks using a custom MVC framework (PHP, Ajax, MySql)

FotoFlix, Inc.: Senior PHP Developer

May 2005 - Dec. 2007

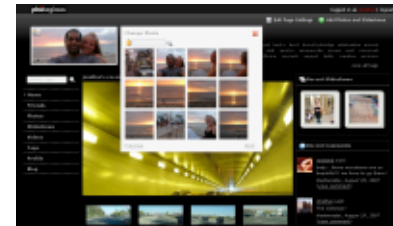
- Responsibilities include database design, code profiling and extensive documentation
- Designed and implemented a dynamic image rendering web service which is consumed by PHP, JavaScript and ActionScript
- Developed Javascript API used by clients to integrate the Photagious application into their own websites
- Increased developer productivity by over 300% by using efficient programming methodologies and local development environments



The photos page includes AJAX interfaces such as autocomplete, cart and paging (PHP, JavaScript, JSON)



The bulk uploader utilizes Flash and requires no bulky plugins or desktop software (ActionScript, PHP)



AJAX is used to allow inline editing for customizing personal pages (JavaScript, AJAX)



Flash slideshows allow users to arrange and annotate photos and add music (PHP, ActionScript, JSON)



A social network lets users add friends and keep updated on their activity (PHP, MySQL)



Content can be integrated into any website using an AJAX JavaScript wrapper for the JSON API (JavaScript)

ClearChannel: Senior PHP Developer

Feb. 2002 - Apr. 2005

- Developed applications on a high traffic platform which hosts over 1,200 websites
- Designed a single sign-on service which supports cross domain authentication for all sites
- Augmented a third party issue tracking system to support the existing work flow



The single sign on service authenticated users across 1200 applications (PHP)

GlobalCloud, Ltd.: Web Developer

Sept. 2001 - Nov. 2002

- Worked with developers and designers to build an equity trading platform
- Implemented full featured content management systems into websites
- Introduced the usage of ColdFusion custom tags which increased code quality and reusability

Skills

- PHP:** Configuration, security, object-oriented programming, creating web services, custom frameworks, major version migrations
- MySQL:** Configuration, query optimization, full-text search indexing, de-normalization
- JavaScript:** Animation effects, rich internet applications, custom form validation

AJAX: Mashups using Facebook, Amazon, Google Maps and Flickr

JSON: Web services, cross domain scripting, data exchange between PHP, MySQL, Flash and JavaScript

Additional: Linux, Actionsript, ColdFusion, MS SQL Server

Conferences and Publications

San Jose Zend/PHP Conference (Oct. 2006)

Presented on efficiently using JSON and PHP to create AJAX applications

International PHP Magazine (Aug. 2006)

Wrote the cover story on how to build an AJAX search engine

New York PHP Conference (Jul. 2006)

Spoke about how to use JSON to easily add rich interfaces into websites

Education

University of Cincinnati, College of Engineering (Sept. 1996 - Jan. 1998)

Engineering Mechanics

University of Cincinnati, College of Business (Jan. 1998 - Oct. 1999)

Information Systems