

Timothy Poon

developer for hire

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I'm a senior-level architect with experience in building massively distributed systems from the ground up. I crave the gestalt of simplicity and power, where refined elegance delivers on any desire.

Users shouldn't have to fight systems and systems shouldn't have to fight other systems. Good UX informs good UI that is built on top of an unbroachable foundation.

Specialties

Python, HTML, CSS, JavaScript, PHP, Puppet, Thrift, Objective-C, Swift, Go, C++, Perl, Prolog, LISP, Vagrant
Redis, MongoDB, Cassandra, Solr, MySQL, PostgreSQL, Percona, Apache, Nginx, Mesos, RabbitMQ, Celery, AWS
Django, jQuery, WordPress, PrototypeJS, CodeIgniter, Ruby, YUI, Angular, Ember, Ractive, CakePHP, Grunt
Machine learning, unit testing, RESTful APIs, microservices, OOA/OOD, SOAP, RDMS
Concurrent/parallel, artificial intelligence, algorithm design, language analysis, automata
Unix, Mac OS, Window, Xcode, Git, GitHub, Photoshop, Illustrator, Visual Studio, Flash, MSOffice, CVS/SVN

Development Experience

rewardStyle

Senior Architect

February 2014–Present

Lead on multiple projects, spanning frontend and backend development.

Moved a large portion of [LIKEtoKNOW.it](#)'s functionality to a fanout architecture.

Celery and RabbitMQ backend for task queueing

Redis for data and user payload caching

Enabled fast developer environment setup with Vagrant

Developed a distributed web crawler with integrated machine learning components.

Architected around the idea of adding or removing as many nodes as needed for any given phase

Machine learning facilitates guessing the intent of any given page's contents

Used Puppet to ease the launching of new nodes

Implemented Thrift interfaces in front of crawler and other services

Hooked up to Jenkins for automated testing

rewardStyle

Senior UI/UX Engineer

November 2013–February 2014

Lead on multiple projects, spanning frontend and backend development.

Rewrote entire widget offerings (MoneySpot, Boutique, Lookbook, LIKEtoKNOW.it, Shop the Post).

Ractive / SASS / Grunt frontend build process and PHP-based Level 2 API

Deployed widgets are responsive, customizable, and compatible down to IE6 with raw JavaScript

Integrated with Cloudfront for speedy caching of pre-built and editable widgets

Worked on the iOS app for publishers

Added and revamped new screens to avoid storyboard reliance

Eyemart Express

Software Developer

May 2010–November 2013

Completely rebuilding the current website to include social media integration, normalize and streamline database usage, and develop the career and applications section.

Developed internal and e-commerce applications for inventory management, logistics problem solving, and credit transactions.

Mapping application using geolocation, Javascript, and the Google Maps API

Internal inventory management for tracking frames, prices, and store information

Shipping logistics for optimizing lab and shipping integration

Frame Street

Software Developer

September 2010–December 2011

Sole developer for online startup. (Existed under the Eyemart Express business.)

Created a sales kiosk that would go into military bases, malls, etc.

Custom JavaScript framework that would live update HTML and functions from a central server with no refresh

Touchscreen UI research and development

Computer vision methodology to calculate properties of an eye through still images or video frames

Handled the backend and e-commerce bits as well.

Inventory and customer-facing components built atop CakePHP

Custom customer service chat solution using websockets, Javascript, and Flash with a PHP server that handles user and service representative routing with priority queuing

Yum! Brands

Web Developer

May 2007–August 2008

Develop web interface for software automation and store management to Yum! restaurants around the world.

Rebuilt internal Blaster system (intranet) for managing store information, updates, and sales data for all franchise stores

Texas Tech University

Web Designer November 2008–May 2009

Worked on redesign of the Petroleum Engineering department and Southwest Petroleum Short Course websites.

Education

Texas Tech University

2010

Computer Science and Mathematics

Summa Cum Laude, Honors College, College of Engineering Honors, Dean's List, President's List, Honor Merit, President's Award

You Should Also Know

Dodgeball

My team Adrenaline Rush has been competing since 2008

In 2009, we placed 2nd in the National Dodgeball League's World Championships

In 2014, we placed 3rd in the Elite Dodgeball Invitational's Championship Series

Played professionally for two years for the Austin Matadors for the NDL

Salsa

I make a wicked salsa