Emily To Ramesh

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Technical Skills

Languages:
Perl
Python
JavaScript

Databases:
MySQL
MongoDB

Front-end:
HTML
CSS
jQuery
AJAX
Bootstrap

Frameworks:
Angular.js
Express.js
Socket.io
Flask
Django

Back-end:
Node.js
Apache
Nginx
AWS
Websphere MQ
Memcached

Tools:
Git
Vim
Sublime
Jira

Methodologies:
OOP
MVC
RESTful Architecture

Software Developer

Software developer with 10+ years of experience in designing and implementing small to large scale projects with skills in Perl, MySQL, Linux, Python, JavaScript, and other technologies

Professional Experience

Second Opinion Health   Software Development Consultant   Nov 2016 - present
- Built dashboard for coordinators to manage migraine study group, using Angular and Node.js. Modify scripts in Python and JavaScript Cloud Code to update daily migraine and activity data hosted on Parse backend

Various, Inc.   Web Developer   Apr 2008 - Apr 2016
- Developed an internal messaging system towards a thread-based conversation using object-oriented Perl, MySQL, MQ system broker, and Memcached
- Designed and implemented the ambassador program to send messages to new members on behalf of premium members
- Refactored member search feature to reduce access time to database with millions of users
- Set up AB test to track conversions on members reading and replying to messages
- Implemented new design for album and video list pages, adding features for members to vote and comment on photos and videos on the mobile site

Cisco Systems, Inc.   IT Engineer   Oct 2000 - Apr 2008
- Developed a tool which tracked the inventory and configuration of 8000+ servers in Cisco data centers around the world.
- Lead developer for a tool that measured security compliance in the IT hosting environment and provided email reports and a UI to monitor systems for the 100+ systems administrators.
- Automated the management of systems during downtimes and data center outages
- Scripted multiple Perl and Bash scripts to improve daily SA tasks

Projects

Hangman | http://hangman.emilyatwork.com
Classic hangman game implemented in Python Django

MMH | http://mmh.emilyatwork.com
Social site for hiking enthusiasts to create, view, and review local hiking events using jQuery, Python, Google Maps API, Open Weather Map API and other technologies

Migraine Alert Dashboard | https://dashboard.somobilehealth.com
Dashboard for study coordinators to monitor clinical study participants suffering from migraines. Built using AngularJS and NodeJS. Deployed on AWS EC2 running Nginx

Education

University of California, Davis | Davis, CA
B.S. in Computer Science