

# Emily To Ramesh

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## Technical Skills

### Languages:

Perl  
Python  
JavaScript

### Databases:

MySQL

### Front-end:

HTML  
CSS  
jQuery  
AJAX  
Bootstrap

### Frameworks:

Angular.js  
Express.js  
Flask  
Django

### Back-end:

Node.js  
Nginx  
AWS  
Websphere MQ  
Memcached

### Tools:

Git  
Vim  
Sublime  
Jira

### Methodologies:

OOP  
MVC  
RESTful Architecture

## Software Developer

Web developer with 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

### **Coding Dojo** | San Jose, CA

Full Stack Web Development Program | Jun 2016 - Sep 2016

### **University of California, Davis** | Davis, CA

B.S. in Computer Science