LAMP Development

# Overview

This document is an outline of my skill set, development history and a checklist for performing the duty of: "Full Time Senior LAMP Developer."

**LAMP**

Lamp should be LAMP-JC. But everybody just calls it LAMP. It's an acronym for all the technologies used in building and running a web application is the "Open Source Linux" environment. It's short for Linux, Apache, MYSQL, PHP. But these days you also need to know JavaScript and Style Sheet based HTML.

**LAM: Linux, Apache, and MySQL - The Server**

This is the network infrastructure. You can be a programmer trying to get into the LAMP game and only know a minimal about these; but you do have to know something about each three. Linux is the Operating System (OS), Apache is the web server, and MySQL is the database server.

**PJC: PHP, JavaSript,CSS - Programming Languages**

PHP

PHP is the server side programming language. In the early days of 3 and 4 most of the my apps where PHP function heavy, with very little JavaScript. Today you need to know how developed in PHP5 with Objects.

JavaScript. Front End language used for fancy displays, better administrative user interfaces, and other dynamic document related functions. One should know how to use and install at least one Library (jQuery or Prototype), validate forms, basic effects, make AJAX calls, and JSON results. One should also know basic CSS manipulation and have know how to use Firebug.

CSS and HTML

The design aspect of web development is now all about CSS and cross browser functionality. CSS and HTML are a good starting point for an novice looking to start "web programming". Many browsers now support "Developer Tool bars" that are necessary tool. Also find a website that does all of the browser testing for you.

## Category Breakdown of Basic Skill sets

**Linux:**

Experience building more than 10 Linux servers,   
Stopping and starting service,   
adding new website into the apache config  
Reading Log files to look for problems.  
Running updates with YUM  
Basic scripting and command knowledge  
chown,chusr,chgrp (you should know what -R means)  
tar  
mkdir, mv

vi  
Install and use Webmin, Plesk, or other like system  
Install and use PHPmyAdmin

**Apache:**

Know the basics of the config file, ad new website and set domain specific variable  
Purchase and configuration of SSL certificate  
Creation of scripts to automate the process.  
Install and use WAMP  
Setup Zend De-bugger  
Truncate, Backup, Review and monitor your log files

**MySQL**

Basic Installation and configuration are (more of a "Linux" task,

Basic Table Setup

Relation table system for tracking codes, lookup tables, profiles, orders, and errro logs and other tasks,

Basic Commands

Advanced Commands: Views and Indexing  
Performance and Optimization  
Security  
Versions Migration

**PHP**

- Listing Pages, - User Profile Systems  
- Add, Edit Delete Records  
- File Database Import scripts, ftp and other task automation  
- Shopping Carts and Order Processing  
- Building Reports

**JavaScript (JQuery)**

-Download and Install library  
- Firebug  
- Accordions, Light Box, and other effects  
-Form Validation  
-JSON Displays

**HTML\CSS**

- CSS Layouts, W3C Code Validator  
- Photoshop  
- Cross Browser Layout Testing and Resolution

**OTHERS**

- Version Control - Subversion  
- Outlook,Google Docs, "Group Calendars"  
- Using the Cloud  
- Voice\IM\Contact, Computers, Software, Cubical(work environment)  
- Hours and Pay