

HARIKRISHNAN P

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Summary

Full-Stack Web Developer having **5** years of experience with front end & back end programming. **1** year of experience in **Linux server administration** on FreeBSD.

Proficient in web development with **PHP** MVC and **JavaScript** using **MySQL**, **Cassandra**, **MongoDB** back end. Rich experience in automating tasks using crons written in PHP and Perl. Expertise in reusable, defensive and secure coding practice. Following test driven development. Certified ethical hacker. Highly skilled in object oriented software design and implementation. Possess very good knowledge about Linux and back end technologies. Able to install, configure and troubleshoot Apache, Nginx, PHP, MySQL, MongoDB, Postfix and other server side applications.

With front end and back end experience, I can deliver LAMP/MEAN stack web applications from end to end.

Highlights

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|----------|-------------|---------------|------------------|--------------------------------|------------|
| ▪ NodeJS | ▪ LoopBack | ▪ TypeScript | ▪ Angular2 | ▪ MongoDB | ▪ ArangoDB |
| ▪ PHP | ▪ Yii | ▪ PHPUnit | ▪ PHPCodeSniffer | ▪ JavaScript | ▪ Linux |
| ▪ MySQL | ▪ Cassandra | ▪ CodeIgniter | ▪ Laravel | ▪ AJAX | ▪ DevOps |
| ▪ SVN | ▪ Git | ▪ Openstack | ▪ AWS | ▪ Shell / Back end Programming | |
| ▪ Apache | ▪ Nginx | ▪ Perl | ▪ Elasticsearch | ▪ Penetration Testing | |

Accomplishments

1) Helpdesk software for managing support tickets and chat.

- Front end - Angular2.
- Beck end - NodeJS with Loopback framework .
- Using TypeScript.
- ArangoDB / MongoDB.

2) Ezeelogin - Server management software for managing hundreds of servers.

- Front end - PHP with CodeIgniter framework.
- Back end – MySQL.
- Single Window interface for front end.
- Password less SSH login to servers.
- Interface for listing all servers and able to do search with server name, IP etc.
- Provision for copying files to all servers with single command.
- Provision for issue one command and execute it in all servers then show the output of each.
- Both Input & Output logs of SSH users.
- SSH user access control.
- Command filter to prevent accidental command execution.
- API support.

3) Web application for investing cash periodically and redeem as gold at maturity for famous jewellery in Kerala.

- Front end - PHP with Yii framework, Back end – MySQL.
- User Signup/Login/Miscellaneous features.
- CCAVENUE Payment system and HESK (A Help Desk Software) integration for contacting support.
- Remote printing details using CUPS (Common Unix Printing System).
- Cron for updating details in Database and sending reminders.
- Email system using SMTP & URL Encryption.
- AES Encryption for storing sensitive data.

4) Shell Script for automated deployment openstack cloud computing platform.

- 100% Automated deployment.
- Able to deploy openstack 3 node configuration with in 1 hour.
- Automated component installation and configuration.

5) Active member of Stackoverflow.com (Q & A Site for Programming/Software)

- <http://stackoverflow.com/users/1740715/harikrishnan>
- In top **8%** among members and achieved over **4700** reputation points.
- Top **5%** for the tag **PHP** and top **10%** for **Yii**.
- Earned total of **150** badges (Gold - 4, Silver - 48, Bronze - 98).

6) Github repository

- <https://github.com/harikrishnanp>

Experience

- **Software Architect (May 2014 - Present)**

Designing web applications and software systems. Database design, requirement gathering, client management. Creating libraries/modules for code reuse, automation and speed up development process.

- **Senior Software Engineer (May 2013 – May 2014)**

Front end programming in PHP – Yii/CodeIgniter and back end programming in PHP/Perl for crons and system calls. Focusing on maintainable and secure coding practice. DevOps tasks.

- **Software Engineer (May 2012 – May 2013)**

Developing web applications in PHP using frameworks like Yii, CodeIgniter etc. DevOps tasks.

- **Systems Engineer (May 2011 – May 2012)**

Managing and maintaining around 200 linux FreeBSD servers. Includes server monitoring, vulnerability scanning, up gradation, disaster management, automation, shell scripting etc.

Certifications



Education

B.Tech in Computer Science & Engineering from Cochin University of Science and Technology (**CUSAT**) with **74.31 %** aggregate.

PLUS TWO in **Computer Science** with 86 % from board of HSE Kerala.

Declaration

I hereby declare that the above mentioned information is correct to best of my knowledge.

HARIKRISHNAN.P