EMC² Academic Associate PROVEN PROFESSIONAL

# Prabhu Vignesh Kumar Rajagopal

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## Professional Summary

Expertise in web development frameworks and DevOps tools such as VCS tools, Configuration management tools, System Configuration management tools, Continuous Integration and Continuous Deployment tools and ELK Stack. With this stack of knowledge I can develop In-house applications and provide excellent solution for cloud infrastructures.

## Key Skills

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|---|---|
| Programming Languages: | Ruby, Python. |
| Frameworks: | Ruby on Rails. |
| Scripting: | Bash, Ruby, JavaScript |
| Databases: | PostgreSQL, MySQL |
| Configuration Management Tools: | Ansible |
| System Configuration Tools: | Docker, Vagrant. |
| Continuous Integration / VCS | Jenkins, Git. |

## Core Qualifications

- Experienced with **Ruby on Rails and Python, Django, MySQL, PostgreSQL and SQLite**.
- Experience of scripting languages, including Shell, JavaScript for Linux and Mac platforms
- Expertise in providing infrastructural solution with Configuration Management in **Ansible** with **Docker** and **Vagrant**.
- Have experience with **High Availability** and **Load Balancing** concepts with **Nginx server** and **apache server and utilities**.
- Have good real-time experience with one of the best DevOps practice - CI/CD with **Jenkins**.
- Basic knowledge in configuration of ELK stack.
- Certified EMC Academic Associate in Cloud Infrastructure and Services.

# Education Qualification

- Completed M.Tech in Computer Science in the year 2014 from SRM University with 86%
- Completed B.E in Electronics in the year 2011 from Gojan Institute with 79%

## Project 1: Dashboard and Reports of Compliance Role: Developer

### HCL Internal Application.

Developed an application for stockholders to fill their work progress and generate scores and reports according to that. With the help of 20 and more tightly associated tables in postgres. With the help of jQuery tools like morris.js and flat.js, achieved Reports and graphs for dashboard. .

## Project 2: Portal for Training and development. Role: Developer

### HCL Internal Application.

Developed a portal application with in a collaborative web application for training and self-development for internal employees. In this PostgresSQL was used with in the application and exported Postgres data into MySQL by rake task periodically.

## Project 3: Continuous Integration and Build and Admin Panel. Role: DevOps Engineer

### Client: Bombardier Transportation

To integrate client's UAT and Production environment, quick containers was needed for Jenkins (DB server, Hadoop clusters). So **Docker containers** ware used with **Jenkins integration**. Each and every commit of code and particular **time period** my Jenkins server will **build and integrate** the UAT environment and production environment was on demand basis.

## Project 4: Ansible playbook for entire applications production configuration. DevOps Engineer

### Client: Bombardier Transportation

Client requirement is that their production environment should **meet High Availability and scalability**. So I have created **Ansible playbook** with **dynamic inventory** file which dynamically allocates the range **of IPs with respect to No of Docker containers** has been created. Each task was perfectly separated by role for easy change.

## Project 5: Music Hub: Role: End To End

### Personal Project

**Social media** which provide portal to **upload music file** to playlist which can be shared with friends added with in the portal. For Uploading music files and **login services**, **Sound Cloud API** is used. Separate user relationship modules are maintained for follow and unfollow the users among the portal.

### Project 6: Build and deployment automation tool (Robin)

**Personal Project**

Developing Tool called **Robin** in Ruby on Rails which **automates** the application **build**, **deploy** and **code repositories**. ***Git*** gem was used **to create project, branch, commit, pull and push** automation through rails. And **Build** and **Deployment** on remote machines was **automated** with **Ansible**, with the help of ***ansible-rails*** gem.

## Digital Footprints

Git : http://www.github.com/prabhuvignesh

Stack overflow : http://stackoverflow.com/users/4269160/prabhu-vignesh-rajagopal

Linked In : https://in.linkedin.com/in/prabhu-vignesh-kumar-rajagopal-02694a36