

# Prabhu Vignesh Kumar Rajagopal

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## Professional Summary

Experienced DevOps and Cloud Consultant, dedicated to automation and optimization. Understands and manages the space between operations and development to quickly deliver code to customers. Has experience with the Public and Private Cloud, as well as DevOps automation, development for Linux and windows systems. Brings maturity, enthusiasm, and a drive to learn new technologies along with real world experience.

## Core Qualifications

- Expertise in providing infrastructural solution with Configuration Management in **Ansible & Chef** with **Docker** and **Vagrant**.
- Have Experience with Refactoring Monolithic application to **MicroServices** Application with **Docker, Consul, Docker swarm and REST API**.
- Expertise in Public and Private Cloud Architecting with **AWS, Google Cloud, OpenStack**.
- Have experience with High Availability, Clustering and Load Balancing concepts with **Nginx server, Consul, NoMad, Docker swarm and apache server and utilities**.
- Have good real-time experience with one of the best DevOps practice - CI/CD with **Jenkins and Bamboo with GIT, Packer, Terraform and Ansible**.
- Experienced with **Ruby, Ruby on Rails and Python, Django, MySQL, PostGresSql, MongoDB and SQLite**.
- Experience of scripting languages, including **Shell, JavaScript for Linux and Mac** platforms
- Having work experience with setting up **SSO with LDAP or AD and Atlassian suit**.
- Have Experience on **ELK stack, Splunk, GrayLog, Munin and Nagios, Riemann Stack**.
- Certified EMC Academic Associate in Cloud Infrastructure and Services.
- Certified Solution Architect By Rackspace CloudU.
- Have Knowledge on **Agile and Lean IT**.

## Key Skills

Programming & Scripting Languages	: Ruby, Python, Bash, Ruby, JavaScript.
Frameworks & Databases	: RoR, Django, Flask, Sinatra, MySql, PostGres, MongoDB, Sqlite.
Continuous Integration / VCS	: Jenkins, Git, Bamboo.
Configuration Management Tools	: Ansible, Chef, Terraform, Packer, Docker, Vagrant.
Cluster & HA service discovery Tools	: Consul, NoMad, Docker swarm.
Data Analytics, Log & Monitoring	: ELK stack, Graylog, Splunk, Munin, NagiOs, and Riemann Stack.
Public Clouds & Private Cloud	: AWS, Google Cloud, IBM Bluemix and OpenStack.
ALM Tools	: Jira, TFS.

## 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%

## PROFESSIONAL EXPERIENCE

### @KPMG.

#### Project 1: Role: DevOps Consultant.

MULTI NATIONAL MEDIA COMPANY.

- Transformation and refactoring the Monolithic architecture to MicroServices with Docker, Docker swarm, Consul, and Jenkins, Ansible.
- Created Deployment pipeline, CICD, Issue and Bug tracker with integrated ticketing system.
- Middleware integration for various agile management application with TFS, Remedy and Jira with a complete prototype.
- Ensured all application satisfies 'The twelve-factor app' and created a complete prototype.

#### Project 2: Role: DevOps Consultant.

MULTI NATIONAL AUTOMOBILE COMPANY.

- Transformation from On-Premise IT infrastructure to Hybrid cloud with automated data migration.
- Ensures infrastructure meets SOA and distributed environment and made major transformation to adopt DevOps Practice.
- Audited the system for meeting the Cloud industrial standards and best practices.

#### Project 3: Role: DevOps Consultant.

MULTI NATIONAL OIL & GAS COMPANY.

- Provided solutions for agile and DevOps solutions with centralized user base with LDAP and MSAD, SSO integration of various application used by stakeholders
- Middleware integration for various agile management application with TFS, Remedy and Jira with a complete prototype.
- Architectural transformation on IT infrastructure from On-Premise to Cloud.

#### Project 3; Role: DevOps Consultant.

MULTI NATIONAL ELECTRONICS HARDWARE MANUFACTURING COMPANY.

- Refactored the flow of entire process to ensure agility with introducing DevOps in it.
- Introduced CICD and automated testing which is auto integrated with issue and bug ticketing system with Jenkins, GIT and atlassian suites like Jira and BitBucket.

### @HCL Technologies.

#### Project 1; 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; Role: DevOps Engineer

HCL INTERNAL APPLICATION.

- Provided support for production and UAT servers with automation tool stack of IoT project with its transformation of monolithic Architecture to MicroServices Architecture.
- Complete transformation from private cloud to public cloud with Ansible and many analytics tools.

- Managing and automating various container based clusters with NoMad, Consul, Terraform, and Docker swarm.

### Project 3; Role: DevOps Engineer

MULTI NATIONAL PLANES AND TRAINS MANUFACTURING COMPANY

- To integrate client's UAT and Production environment, quick containers was needed for Jenkins (DB server, Hadoop clusters).
- So Docker containers were 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; Role: DevOps Engineer

MULTI NATIONAL PLANES AND TRAINS MANUFACTURING COMPANY

- 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.

### @Personal & Freelancing.

#### Project 1: 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 2: 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>  
Blogging : [www.prabhuvigneshrajagopal.wordpress.com](http://www.prabhuvigneshrajagopal.wordpress.com) & [www.devopscube.com](http://www.devopscube.com)  
Portfolio : [www.prabhuvigneshkumar.com/](http://www.prabhuvigneshkumar.com/)