Prabhu Vignesh Kumar Rajagopal

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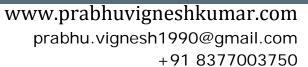
Professional Summary

As experienced DevOps and Cloud Consultant, I provide infrastructure and process automation solutions within public and private cloud. I speak for facilitate and create DevOps culture and Automate all the things with the correct DevOps tools. I have strong experience in building DevOps enhanced infrastructure for Service oriented architecture, Server less and MicroServices with proper monitoring and Enterprise service bus infrastructure around public and private cloud.

Key Skills

Programming Languages	: Ruby, Python.
Frameworks	: Ruby on Rails, Django, Flask, Sinatra.
Scripting	: Bash, Ruby, JavaScript.
Databases	: 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 management	: ELK stack, Graylog, Splunk.
Server Monitoring Tools	: Munin, NagiOs, Riemann Stack.
Public Clouds	: AWS, Google Cloud, IBM Bluemix.
Private Cloud	: OpenStack
Agile Tools	: Jira, TFS.
Other Tools	: Mulesoft, Apache Openwhisk

Core Qualifications

- Expertise in providing infrastructural Automation 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** along with **Enterprise Service Bus (Mulesoft).**

- Have experience with designing **ServerLess Architecture** with **AWS Lambda and Apache Open-Whisk** with CRM solutions like salesforce.

- Expertise in Public and Private Cloud Architecting with **AWS, Google Cloud, IBM Bluemix and Open-Stack.**

- 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.**

- Well Experianced with architecting **IT governance and Agile platform** with my technical skill stack

- Experienced with **Ruby, Ruby on Rails and Python, Django, MySQL, PostgreSQL, MongoDB and SQLite.**

- Experience of scripting languages, including **Shell, JavaScript** for **Linux** and Mac platforms

- Having work experiance with setting up **SSO with LDAP or AD and Attlassian 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.

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 Banking Company.

- Designed the Service Oriented Architecture for part of the enterprise and integrated all with REST and Enterprise Service Bus.

- Designed the architecture underlining with MicroServices hosted on IBM Bluemix.

- Minimized the effort and infrastructural demand with server less architecture with Apache Open-whisk.

Project 2: 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 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.

@HCL

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