Prabhu Vignesh Kumar Rajagopal

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Professional Summary

As an experienced DevOps and Cloud Consultant, I can provide DevOps, Cloud services, Enterprise Design and Integration solutions around the public and private cloud. I have strong experience in building DevOps enhanced infrastructure for Service-oriented architecture, Server-less, and Micro-services with proper monitoring around the public and private cloud.

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 & Dell Boomi)**.

- 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, Gerrit, Packer, Terraform and Ansible**.

- Well Experienced 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 experience in setting up **SSO with LDAP or AD and Atlassian suit**.

- Certified EMC Academic Associate in Cloud Infrastructure and Services.

- Certified Solution Architect By Rackspace CloudU.

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.
Public Clouds	: AWS, Google Cloud, IBM Bluemix.
Private Cloud	: OpenStack
Agile Tools	: Jira, TFS.
ESB Tools	: Mulesoft, Dell Boomi

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 Infrastructure in AWS for middleware application which integrates Salesforce application and Angular application and created Infrastructure as code from AWS & Terraform. Designed the Delivery pipeline with Jenkins right from creating a feature to deploying feature by integrating Version control tool with ALM tool. Created monitoring and analytics platform to ensure "Disaster Prevention and Preparedness

Project 2: Role: DevOps Consultant.

Multi-National Oil & Gas Company.

Developed a middleware solution with MuleSoft to integrate various in-house application and business applications. Integrated applications with open APIs and other business applications. Also develops policies on information security by developing strategic, tactical and operational information

security plans. Ensured developed services comply with established SOA governance rules, maturity and monitoring.

Project 3: Role: DevOps Consultant.

Multi-National Media Company.

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

Project 3: Role: DevOps Consultant.

Multi-National Media Company.

Designed the Service Oriented Architecture with Docker containers and Kubernetes. Designed the architecture underlining with MicroServices hosted on AWS. Minimized the effort and infrastructural demand with serverless architecture with AWS Lambda.

@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 the dashboard.

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

HCL Internal Application.

Developed a portal application within a collaborative web application for training and self-development for internal employees. In this PostgreSQL was used within 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 the 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 the 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 an easy change.

Project 5: Music Hub: Role: End To End

Personal Project

Social media which provide portal to **upload the music file** to a playlist which can be shared with friends added within the portal. 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.

INTERESTS

As part of being a Cloud and DevOps Consultant, I love to do POC and experiment with new techniques and platforms which comply with the latest market needs. I love to provide solutions to the business where they stuck or go slow in terms of technology. Since the technology is the backbone of any business, it should be strong enough and I ensure that

With my hands on experience in technology and foundation, I am very comfortable to build any solutions regardless of new product or technology. As part of Open Source devotee, I keep contributing open source community either by producing a new piece of a component or fixing the most needful component. Same can be seen from my Digital footprint

Digital Footprints

GitHub :   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

Docker Hub: https://hub.docker.com/u/vickyrajagopal/

Ansible Galaxy: https://galaxy.ansible.com/PrabhuVignesh/