Prabhu Vignesh Kumar Rajagopal

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Professional Summary

As an experienced DevOps and Cloud Consultant, I can provide DevOps solutions, Cloud Solutions, Enterprise Design and Integration solutions around the public and private cloud (AWS, Google Cloud and OpenStack). I have strong experience in As-Is analysis, Maturity Modeling and GAP analysis to design framework and target operation model in terms of Architectural design and DevOps environment around Public and Private cloud.

Core Qualifications

- Expertise in maturity assessment in terms of system design, infrastructure and DevOps environment around public and private cloud including AWS, Google Cloud and OpenStack.

- Expertise in As-Is analysis, GAP analysis and report generation to identify rifts in system design, Infrastructure and in DevOps environment to be upgraded in maturity model.

- Expertise in providing industrial best enterprise standard solution to fulfill the GAP to reach maturity with Enterprise or Opensource toolsets and framework ecosystem.

- Expertise in Public and Private Cloud Architecting with AWS, Google Cloud, and OpenStack.

- Expertise in Designing and implementing Enterprise level integrated DevOps environment with agile frameworks such as Scrum, XP and Kanban with right DevOps tools ecosystem.

- Expertise in various system architecting including designing Service Oriented Architecture, Serverless and Microservice architecture along with designing data integration tool ecosystem such as Enterprise Service Bus and real-time data streaming tools.

- Expertise in Project Management and integrating end to end software development and implementing process based on agile methodology.

- 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.

- Conducted maturity assessment and GAP analysis then generated report in terms of system design and infrastructure.

- Provided solution by designing the Infrastructure in AWS for middleware application which integrates Salesforce application & Angular application and created Infrastructure as code from AWS & Terraform to reuse the infrastructure.

- Designed the Delivery pipeline with Jenkins right from creating a feature to deploying feature by integrating Version control tool with ALM tool. This helps to stay in line with Agile process.

- Created monitoring and analytics platform to ensure "Disaster Prevention and Preparedness.

Project 2: Role: DevOps Consultant.

Multi-National Oil & Gas Company.

- Conducted As-Is analysis and GAP analysis then generated report in terms of system design and security.

- Provided solution by developing a middleware solution with Enterprise Service Bus to integrate various in-house application and business applications.

- Integrated applications with open APIs and other business applications.

- Provided solution for maturity in security by developing policy, strategic, tactical and operational information security plans and ensured developed services comply with established SOA governance rules, maturity and monitoring.

Project 3: Role: DevOps Consultant.
Multi-National Media Company.

- Conducted As-Is analysis and GAP analysis then generated report in terms of system design and Integrated Agile and DevOps Ecosystem.

- Provided solution to improve in system designing by Transforming and refactoring the Monolithic architecture to MicroServices with containerization and clustering tools like Docker and Consul

- Provided solution to improve in Software delivery and release by providing Integrated agile and DevOps ecosystem with building CICD with Jenkins and configuration management with Ansible and integrated Issue and Bug tracker with Agile driven tool like TFS, Remedy and Jira.

- Ensured all application satisfies 'The twelve-factor app' and created a complete prototype to ensure system design meets the industrial standards and adaptability for new technologies.

Project 3: Role: DevOps Consultant.
Multi-National Media Company.

- Conducted As-Is analysis and GAP analysis then generated report in terms of system design and Infrastructure.

- Provided solution to improve in system design by designing the Service Oriented Architecture with Docker containers and Kubernetes.

- Provided solution to improve in application infrastructure by designing the architecture underlining with MicroServices hosted on AWS and 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).
- 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.
- 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/