PRABHU VIGNESH KUMAR RAJAGOPAL

CONSULTANT
DEVOPS, SECURITY AND CLOUD.

CONTACT INFORMATION

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EDUCATIONAL 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%
- Certified EMC Cloud Associate in Cloud Infrastructure and Services.
- Certified Solution Architect By Rackspace CloudU.

CORE QUALIFICATION

- Expertise in maturity assessment infrastructure and DevOps Ecosystem around public & 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 & in DevOps ecosystem to be upgraded in maturity model.
- Expertise in creating Threat modelling and risk assessment using OWASP followed by creating security controls, guidelines and policies incorporated with DevOps Workflow.
- Expertise in team leading with supervisory skills, Coaching & Technical guidance and great communications.
- 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, Kubernetes & REST API along with Enterprise Service Bus (Mulesoft & Dell Boomi).
- Have good real-time experience with one of the best DevOps practice - CI/CD with Jenkins & Bamboo with GIT, Gerrit, Infrastructure as code with Terraform and Ansible.
- Expertise in Release Management with creating Release Policy, Planning, Build Configure and Implementation with above skills along with Release Workflow.
- Experienced with Ruby, Ruby on Rails and Python, Django, MySQL, PostgreSQL, MongoDB, SQLite, scripting languages including Shell, JavaScript for Linux and Mac platforms

PROFESSIONAL SUMMARY

As an experienced Cloud Automation Lead & DevSecOps practitioner, I can provide DevOps & Security solutions, Cloud Solutions, Enterprise Design & Integration solutions around the public & private cloud with Team Leadership skills. Being a Polymath, I have strong experience in performing As-Is analysis, Maturity Modelling & GAP analysis to design framework & target operation model in terms of Architectural design & DevSecOps Ecosystem around Public & Private cloud with various technology stack.

PROFESSIONAL EXPERIENCE

KPMG India, Bangalore – November 2016.
Project Role: DevSecOps Lead
MULTI NATIONAL BANKING COMPANY - August 2018 – Present

- Ensured Continuous integration and delivery and created version control platform for Dell Boomi Platform with security policy (OWASP) incorporated Delivery pipeline, where Boomi doesn't provide version control and difficult manage at team development.
- Created Risk Assessment and Threat model for the system and developed the security policy for the developers to keep the code in Security Standards.
- Developed Continuous Integration and Delivery platform for microservices applications developed in Java platform and Docker containers with the security workflow in Pipeline.
- As Banking Sector requires private datacentre and close-down servers, developed a Docker Private Registry, accessible only with in the VLAN. Developed Rollback mechanism and Downtime management within the Secured Hosting space.
- Led a team of 4 engineers developing automation platform and docker infrastructure who were working closely with development team as DevOps needs to be closely work with Dev Team.

Project Role: DevSecOps Lead
MULTI NATIONAL FINANCIAL COMPANY - December 2017 – July 2018

- Led a Team of 3 engineers developing infrastructure and automation platform for the quick and quality delivery.
- 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 Security (OWASP) Incorporated Delivery pipeline with Jenkins right from creating a feature to deploying feature by

KEY SKILLS

Cloud Services
- AWS, Google Cloud, IBM Bluemix.

DevOps Ecosystem
- Jenkins, Git, Gerrit, Bamboo.
- Ansible, Chef, Terraform
- Munin, Nagios.

DevSecOps Ecosystem (Software Security)
- OWASP, Threat Modelling, Risk assessment.
- SSO, SAML, OAuth and Rest API.
- Risk Control framework & Security Operational Management.

Containers and Clusters
- Docker, Vagrant.
- Consul, Nomad, Docker swarm, Kubernetes.
- Mulesoft, Dell Boomi.

Agile and Tools
- Jira, TFS.
- Scrum and XP.

Programming language and Development Frameworks
- Ruby, Python.
- Ruby on Rails, Django, Flask, Sinatra (MVC).
- Bash, Ruby, JavaScript.
- MySql, PostGres, MongoDB, Sqlite.
- Unix and Windows

AWARDS AND ACHIEVEMENTS

- Kudos award from KPMG for Performance
- Raising star award from KPMG for Performance
- Best Performer award from HCL
- 22nd rank in Codewars in 2014 tournament.

INTERESTS

- As part of being a Cloud and DevOps and Security 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
- Along with my hands-on experience in technology and foundation, I love to incorporate the security aspects with DevOps workflow to ensure secured software delivery.
- 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

- linkedin.com/in/prabhuvigneshkumar
- github.com/prabhuvignesh
- hub.docker.com/u/vickyrajagopal/
- galaxy.ansible.com/PrabhuVignesh/
- stackoverflow.com/users/4269160/prabhu-vignesh-rajagopal
- github.com/prabhuvignesh

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 Role: DevSecOps Lead.
MULTI NATIONAL OIL & GAS COMPANY - August 2017 - December 2017
- Led the team of 2 engineers and 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 Role: DevOps Consultant.
Multi-National Media Company - May 2017 - August 2017
- 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   the industrial standards and adaptability for new technologies.

Project Role: DevOps Consultant.
Multi-National Media Company. - November 2016 - April 2017
- 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 Technologies, Noida – August 2014 - November 2016
Project Role: DevOps Engineer
MULTI NATIONAL TRANSPORT COMPANY - April 2016 - November 2016
- To integrate the client's UAT and Production environment, quick containers was needed for Jenkins (DB server, Hadoop clusters). Docker containers are Integrated and delivered with Jenkins integration.

KEY SKILLS

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- AWS, Google Cloud, IBM Bluemix.

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- Munin, Nagios.

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- github.com/prabhuvignesh

- 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 DevOps Engineer
MULTI NATIONAL TRANSPORT COMPANY - June 2015 - March 2016
- 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 Role: Developer
HCL Internal Application. - November 2014 - May 2015

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 Role: Developer
HCL Internal Application. - August 2014 - November 2015

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.

@Personal Projects

Role: End to End
Musickouty

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.

Role: End to End
Robin

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.