

# PRAGADEESH RAJU

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Bangalore, India

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## PROFILE SUMMARY

Experienced Engineer with a demonstrated history of working in the Information Technology industry. Skilled in Linux Systems, Kubernetes, DevOps with AWS/Azure and extended knowledge in IT Network & Security Infrastructure. Passionate about Microservices and cloud technologies, always willing to learn new upcoming technologies to enhance my knowledge.

## TECHNICAL SKILLS

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- Containerization technologies (Kubernetes, Docker)
- Core AWS Cloud Services (EC2, ECS, EBS, VPC, Route 53, S3, Lambda, IAM)
- Monitoring Tool: Grafana, Prometheus, Nagios, ELK, Wireshark.
- Strong Knowledge in Linux platforms.
- Package manager HELM.
- Strong Knowledge in GIT, Codecloud, BitBucket, JIRA.
- Knowledge of Configuration, Automation and CI/CD tools (Jenkins,Maven, GIT, Ansible)
- Proficiency in Shell scripting, Python.
- Knowledge in YAML
- Database (RDBMS: MySQL Server, NoSQL: DynamoDB).
- Infrastructure as a Code implementation (CloudFormation,terraform).
- RIP, IGRP, EIGRP, OSPF, IS-IS, TCP/IP, Multicasting, IGMP, PIM, BGP, DHCP, SNMP
- Cisco ASA, Check Point R77, CEH Pentesting, DDoS Protection.
- WAN/LAN ISR, ASR Routers, Catalyst and Nexus Switches, Firewalls.
- Network Operations, Network Administration, Network Troubleshoot, Network Analysis.

## PROFESSIONAL EXPERIENCE

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### AT&T Communications

Bangalore, India

#### *Devops Engineer*

*Feb 2018–Present*

#### Responsibilities:

- Deploying, automating, maintaining and managing cloud based production system, to ensure the availability, performance, scalability and security of productions systems.
- Maintaining application infrastructure, including scalable compute clusters, web servers and databases.
- Automating and maintaining our CI/CD pipeline, source code repositories and build servers.
- Performing Blue-Green deployment with Kubernetes to reduce downtime and risk.
- Continuous Monitoring & Troubleshooting Kubernetes with Prometheus, Grafana, Istio – Kiali
- Cloud Native application Orchestration - Helm chart repository & Lifecycle Management.
- Build, release and configuration management of production systems.
- Managing and monitoring the entire productions cluster with Grafana and Prometheus.
- Continuous monitoring of applications to ensure all are healthy and to set rules/alerts for routine and exceptional application conditions.
- Built deployment pipelines using Jenkins as a front end for continuous deployment to local staging and test environments and to production environments on demand using combination of shell scripting
- Ensuring critical system security through the use of best in class cloud security solutions
- Deploying Containers with Dockers and building up with the Dockerfile.

- Managing Nodes with the help of Kubernetes.
- Monitoring server activity and responding to alerts.

**Yobitel Communications**

***DevOps/Cloud Engineer***

**Bangalore, India**

***May 2016–Feb 2018***

**Responsibilities:**

- Experienced in Automating, Configuring and deploying instances on AWS, Azure environments and Data centers, also familiar with EC2, Cloud watch, Cloud Formation and managing security groups on AWS.
- Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS.
- Experience in architecting and configuring secure cloud VPC using private and public networks through subnets in AWS.
- Utilized Amazon Route53 to manage DNS zones and also assign public DNS names to elastic load balancers IP's.
- Monitoring the AWS resources using Cloud Watch and also application resources using Nagios .
- Commissioning and De-Commissioning of network hardware from legacy setup during roll outs.
- Configured and altered ACL and configs in Catalyst 29xx, 65xx, 68xx & Nexus Switches 2k/5k/7k and route additions & QoS in ASR Routers.
- Added / altered new rules & policies, applied security policies in firewalls ASA 55xx, created VPN setup in termination firewalls during new customer route addition.
- Involved in wireless design and implementations–802.11 ac series platforms using Cisco and Aruba vendors.
- Monitoring the firewall alerts and processing the port change requests in Cisco ASA, configuration changes in VLANs & Firewalls.
- Carrying out regular network installations and troubleshooting, configuring and upgrading network devices, configuration checks, capacity monitoring for the client side networks.
- Provide troubleshooting & support during network & firewall issues in L2 level, preparing RCA.
- Monitor Network Infrastructure with CA spectrum & Splunk and analysing the syslog records.
- Performing network maintenance and system upgrades.

**EDUCATION**

**Anna University**

Bachelor of Engineering in Computer Science, April 2016

- GPA 7.33/10

**Chennai, India**

Completed A1 German language course.

**Reference will be provided on request**