**Chakravarthy Gopi**

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Have 5+ years of hands-on experience in Automation, Porting applications, Containerization, CI/CD and other DevOps processes.

**TECHNICAL SKILLS**

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| Languages | C, shell scripting |
| Operating Systems | LINUX (Ubuntu, RHEL, SLES, Amazon Linux, CentOS), Windows |
| DevOps tool stack | Docker, Kubernetes, Jenkins, Git, Ansible, Maven, Ant, Terraform |
| Cloud | AWS (EC2, EFS, Code commit, S3, VPC, Systems manager, IAM, Route53) |
| Database | pgSQL |
| Miscellaneous | LAMP stack, Markdown editor |

**EXPERIENCE**

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**PEGA SYSTEMS HYDERABAD, INDIA**

Demo Release Engineer Nov 2019 to Date

* Responsible for maintaining **BASH scripts** and **Ansible playbooks** in AWS code commit.
* Automated PEGA infra checks and customized **AMI** creation process using BASH and **AWS CLI** (saves 95% of manual work efforts) for CentOS, Amazon Linux instances.
* Automated the process of removing old AMIs and snapshots using **poll SCM** in Jenkins to reduce the billing cost.
* Created multi job projects by configuring **parameterized jenkins** jobs to execute the required scripts and playbooks so that infrastructure team can perform the tasks with single click.
* Created Ansible playbooks from scratch to update and validate SSL certs for hundreds of instances with different environments.
* Responsible for creating demo templates, releasing and maintenance of PEGA demo instances.
* Developed BASH scripts to deploy hotfixes in 1,500+ EC2 instances – script check for few conditions based on which specific hotfix would be imported on specific instance.

**Persistent Systems LTD. PUNE, INDIA**

Module leadMar 2018 to Nov 2019

* Created **Docker files**, **Jenkins files** and BASH scripts to automate the execution of jobs.
* Deployed applications(Calico, Istio) to single node **kubernetes** cluster to validate after porting the application.
* Worked on deployment of applications on **Apache Tomcat**.
* Created Dockerfiles for 30+ software packages by using RHEL image as base.
* Configured **Docker compose** to run multi container application – ELK
* Responsible for reviewing and finalizing the BASH scripts, Docker files, user recipes created by other team members.
* Raised pull requests to add s390x support for few opensource software packages.
* Mentored new joiners in enabling them to get up to speed.

Senior Software Engineer Aug 2016 to Mar 2018

* Provided support for software packages on IBM Z machines (S390x architecture) for Ubuntu, Red hat, SUSE distributions by using Docker for **containerization**.
* Configured LAMP stack files, modified Make-files to port applications from x86 to s390x arch.
* Responsible for creating recipe files using markdown editor and maintaining **Jenkins jobs** to track the health of jobs.
* Responsible for tracking latest versions of few opensource software packages (Zabiix, Magento…) and to modify the recipe if required.

**EDUCATION \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**M.Tech – SPCOM KANPUR, INDIA**

Indian Institute Of Technology, Kanpur Jun 2014 to Jul 2016

**PROFESSIONAL SUMMARY**

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* Well acquainted with **Linux** concepts such as Networking, Regex, User management, Disk management.
* Hands-on knowledge of Version Control System - **Git** (Github, Gitlab, code commit)  
  and Infrastructure provisioning tools – Ansible, Terraform
* Hands-on knowledge of software containerization platform - **Docker** and container orchestration tools - **Kubernetes** and **Docker Swarm**.
* Experience in developing CI/CD pipelines using **Jenkins**, code commit, BASH.
* Hands-on knowledge of webhooks and SCM.
* Experienced in developing **Dockerfiles** and **Jenkinsfiles** from scratch.
* Working experience in AWS services - **EC2, Code commit, S3, Systems manager**.
* Experienced in **porting** opensource applications (Zabbix, Magento, Nginx, RabbitMQ, ELK stack … ) from X86 architecture to S390x architecture.
* Have basic knowledge of Auto Scaling, load balancing, Cloudformation templates.
* Have exposure to **Travis** and Circle CI.
* Experienced in using IBM’s RTC and Agile studio for task planning and defect tracking.
* Comfortable with offshore/ onsite team communication and involved in customer status calls & mails.

**CERTIFICATIONS**

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* AWS Certified Cloud Practitioner (April 2021 – April 2024)
* HashiCorp Certified Terraform Associate (Aug 2021 – Aug 2023)

**ADDITIONAL INFORMATION**

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* Achieved NATIONAL MERIT SCHOLORSHIP by Govt of INDIA (MHRD) for academic excellence in 12th standard.
* Earned badges in HackerRank by solving programming problems ( C, Java, Shell ).

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