Priyanka Saggu

Resourceful DevOps enthusiast, having experience working with highly distributed infrastructure on hybrid cloud platforms. Having a years long experience as a DevOps Engineer, I've been writing fully automated product releases, with minimal interference on the client enterprise end. As a contributor at Linux Users Group of Durgapur , I have set up and managed multiple Linux-based servers. Wrote Infrastructure as Code (IaC) to automate setting up of tightly-secured and SSH-hardened systems/ servers using Ansible & Jinja templates. Also, carrying an experience with On-Prem deployment environments setup using Rancher. And I'm an Outreachy'19 alumna at GNOME Foundation too.

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Website: https://priyankasaggu11929.github.io/

Gitlab-gnome: https://gitlab.gnome.org/priyankasaggu119

Gitlab-salsa: https://gitlab.gnome.org/priyankasaggu119

Github: https://github.com/Priyankasaggu11929/

EXPERIENCE

AtlanHQ
— *DevOps Engineer*

(MAY 2020 - PRESENT)

— *DevOps Engineer Intern*

(FEB 2020 - MAY 2020)

Working at a DataOps organisation, has resulted in a high level of expertise in writing & maintaining infrastructure for industrial use. In one instance, I've worked on optimizing the cost of running an entire data cataloging & discovery stack by 40%, bringing in a lite version of the product.

GNOME Foundation
— *Outreachy'19 Intern*

(DEC 2019 - MAR 2020)

Enhanced GNOME Translation Editor (gtranslator) UI by revamping existing widgets in accordance with Gnome Human Interface Guidelines (HIG). Besides, entirely redesigning the old search and replace bar dialog to a new sliding overlay style custom widget, using libdazzle library.

Linux Users Group of Durgapur (DGPLUG)
(JUN 2018 - PRESENT)
- Set up and managed multiple Linux distribution servers.
- Wrote Ansible scripts to automatically update system components and setup production environments.
- Set up a WriteFreely multi-user instance behind reverse-proxy.
- Set up multiple Docker containers, orchestrated using Docker Swarm, for carrying out test deployments.
- Wrote Infrastructure as Code (IaC) to setup SSH-hardened servers.
- Contributed to lymworkbook - a Vagrant lab environment in setting up a few basic level sys-admins problems.
- Setup OpenVPN service, creating both OpenVPN server and Certificate Authority (CA) server on different machines.

Debian Project
(AUG 2019 - DEC 2019)
- Packaged 4 django/flask dependency python modules under Debian-Python-Modules-Team (DPMT).
- Packaged and updated 5+ ruby-gems for Debian-Diaspora project under Debian-Ruby-Team (DRT).
- Contributed to the Debian-gitlab project under Debian-javascript-team (DJT). Improved old node modules, packaged new ones and was constantly involved in testing of Debian-gitlab for then-stable version release.

WRITINGS

- Automating private dataproc cluster deployment having Presto Installation (on GCP)!
- Custom GCP type provider for automating VPC Network Peering Creation!
- Parse Server On-Premise Deployment
- A guide to a "safer" SSH!
- Consul Key-Value Store!
- Let's get started with iptables!
- Automating WordPress Installation through Ansible!
- Setting up WriteFreely multi-user instance in production

EDUCATION

Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonipat), Haryana
— *B.Tech in Computer Science & Engineering*

AUGUST 2015 - MAY 2019

Government Model Senior Secondary School, Sector 35-D, Chandigarh (U.T.)
— *AISSCE (12th – PCM)*

APRIL 2015 - APRIL 2019

S.B.P. D.A.V Centenary Public School, Fatehabad, Haryana
— *AISSE (10th)*

APRIL 2012 - APRIL 2013

SKILLS/ KEYWORDS

Linux: Debian family (Ubuntu, Debian Buster), Red Hat family (CentOS)

Scripting: Bash and utils, Python

Backend: Python (Django)

Frontend: HTML, CSS, Javascript (JQuery, PhaserJS)

GUI Toolkit: GTK+ 3 in pure C

Databases: MySQL, SQLite

Web Application servers/proxies: Nginx, Apache2

Version control systems: Git

Markup & Documentation: LaTeX, Pandoc, Markdown

DevOps: Kubernetes, Rancher, Ansible, Docker, Docker Swarm, Helm/Helm Charts, Prometheus & Grafana, Loki, Velero, Weave Cloud, Google Kubernetes Engine (GKE), RabbitMQ, Replicated/KOTS, CircleCI, Github Actions

Misc: Google Cloud Platform (GCP), Amazon Web Services (AWS), OpenCV, Java-J2SE

CONFERENCES/ EVENTS

- **2019** PyCon, India
- **2019** DebUtsav, Delhi
- **2017** International Conference on Textile Advances-TAI India

REFERENCES

- Chandan Kumar, OpenStack/RDO developer, Red Hat, chkumar AT redhat DOT com