

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.

EXPERIENCE

AtlanHQ

— DevOps Engineer

(FEB 2020 - PRESENT)

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.

Contributions: <https://gitlab.gnome.org/users/priyankasaggu119/activity>

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 - OCT 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.

Contributions: <https://salsa.debian.org/users/priyankasaggu119-guest/activity>

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](#)

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

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

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

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), Elastic Kubernetes Service (EKS), RabbitMQ, Replicated/KOTS, CircleCI, Github Actions

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

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.)
— AISCE (12th - PCM)

APRIL 2015 - APRIL 2019

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

APRIL 2012 - APRIL 2013

CONFERENCES/ EVENTS

- **2020** Delivered the talk "Introduction to Github Actions" at [PyLadies, Delhi Meetup](#).
- **2019** Volunteer at [PyCon, India](#)
- **2019** [DebUtsav, Delhi](#)
- **2017** Volunteer at International Conference on Textile Advances-TAI India

REFERENCES

- Chandan Kumar, OpenStack/RDO developer, Red Hat, [chkumar AT redhat DOT com](#)