

Priyanka Saggu

About

Summary

Resourceful DevOps enthusiast, having experience working with highly distributed infrastructure on hybrid cloud platforms. Having an 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 summer trainee at [Dgplug](#), 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. Also, have an experience with On-Prem deployment environments setup using Rancher. And I'm an [Outreachy'19 alumna](#) at [GNOME Foundation](#) too.

Personal Info

- **Email:** priyankasaggu11929@gmail.com
- **Website:** <https://priyankasaggu11929.github.io/>
- **Gitlab-gnome:** <https://gitlab.gnome.org/priyankasaggu119>
- **Gitlab-salsa:** <https://salsa.debian.org/priyankasaggu119-guest>
- **Github:** <https://github.com/Priyankasaggu11929/>

Experience

[AtlanHQ](#)

- *DevOps Engineer - (May' 20 - Present)*
- *DevOps Engineer Intern - (Feb' 20 - May' 20)*

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' 19 - Mar' 20)*

[GeeksforGeeks, Noida](#)

- *Graphics designer intern - 2018*

Community Learning & Contributions

[Dgplug Summer Training](#)

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.

- Setup On-Prem multi-cluster orchestration platform for microservices applications deployment using Rancher & managed kubernetes cluster.

Gnome - gtranslator

2019-Present

- Enhanced UI by revamping existing widgets in accordance with Gnome Human Interface Guidelines(HIG).
- Entirely redesigned the old search and replace bar dialog to a new sliding overlay style custom widget, using libdazzle library.

Debian

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.

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, 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

Education

- **B.Tech in Computer Science & Engineering**

Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonapat), Haryana *2015-2019*

- **AISSCE (12th-PCM)**

Govt. Model Senior Secondary School, Sector 35-D, Chandigarh (U.T.) *2014-2015*

- **AISSE (10th)**

S.B.P. D.A.V Centenary Public School, Fatehabad, Haryana *2012-2013*

Conferences/ Events

- **2019** [PyCon, India](#)
- **2019** [DebUtsav, Delhi](#)
- **2017** International Conference on Textile Advances-TAI India

Additional activities

- Regional Head - Haryana, GirlScript Foundation Private Limited (2019-2020).
- Organised Python 101 BootCamp in Haryana state-level technical fest, Technova.
- Attended IWD'19 event in Google, Gurugram. Also, the women's mega day meetup in Microsoft, Gurugram.

Writings

Self

- [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!](#)

Publications

- [Introduction to Xamarin | A Software for Mobile App Development and App Creation](#)
- [Flutter | An Introduction to the Open Source SDK by Google](#)

References

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