Gaurav Chaturvedi

https://chaturvedi.me/

Email: gaurav@chaturvedi.me

Mobile: +91-9869-201103

I have set up and scaled teams and infrastructure from small startups all the way to Fortune 1000 companies. I have most recently worked on the reliability, performance, alerting and monitoring of OpenShift (the world's top cloud-agnostic platform as a service solution) at Red Hat. I'm currently working on scaling the 3scale API management infrastructure and team on top of OpenShift at Red Hat.

I have contributed to the KDE project (One of the most popular Linux desktop environments) starting with my Google Summer of Code project in 2011, and later, documentation, list moderation, spam filtering, bug fixing, packaging KDE trunk for Kubuntu, with project-neon.

Red Hat   Remote, India
Senior Site Reliability Engineer   *Jun 2018 - Present*

I have worked on monitoring, deployment tooling, platform stability of OpenShift and mentored a global team starting at 3 and growing to 15 people over 2.5 years. We handle the entire lifecycle of cloud hosted OpenShift clusters with thousands of compute units.

My responsibilities included:

- Building and Automating deployment, monitoring and self-healing of the infrastructure my team is responsible for.
- Create and Review designs and architecture for new features.
- Build SLIs (Service Level Indicators) and SLOs (Service Level Objectives) for the OpenShift platform.
- Ensure our CI/CD tools and infrastructure are in working order.
- Mentoring team members and onboard new members of the team.

Things I have been personally responsible for in the recent past:

- Developing dashboards and alerting on services using Prometheus and Grafana
- Moving our automation processes from Ansible to Kubernetes operators

Infrastructure Engineer *(Consultant)*   Mumbai, India
                                                                          Dec 2014 – May 2018

I have consulted with several companies internationally. Most of my work in the recent past has included scaling, automation and metrics collection of infrastructure.

Key engagements:

SDL (Amsterdam):
Cloud Engineer (On contract for a year)
Gained a lot of AWS knowledge, also worked on windows for the first time

- **AWS**: Responsible for maintenance and improving the deployment of their Tridion Web product in the cloud
- **Chef**: Leverage Chef and AWS CloudFormation on Windows platform extensively (My background is entirely with Linux)
- **Packer**: Used packer (to create vagrant Images and AWS AMIs)
- **ECR**: Set up Amazon EC2 Container Registry service for Docker containers.

WebEngage:

- Evaluate different cloud providers based on local laws and latency constraints for WebEngage (marketing automation platform with customers like Unilever, Bajaj Finserv, Unacademy, etc) and Migrated their infrastructure from AWS to GCP

Coull (a video ad tech company):

- Built an in-house layer on top of various cloud provider APIs to further their automation needs and provision nodes across different cloud providers simultaneously (before Terraform existed).

FreeCharge.in   Bangalore, India
Service Reliability Engineer   *Jan 2014 - Sept 2014*
Got to know a lot compliance issues and experimented in Clojure

- **Compliance**: Was responsible for the initial PCI-DSS compliance for Freecharge.
- **Riemann**: Used riemann for setting up alerts (With logstash sending stream of data to riemann).
- **Jenkins**: Setup multiple instances of Jenkins of continuous integration for Production / Testing / QA

PropTiger.com   Noida, India
Tech Lead (SRE)   *Mar 2013 - May 2013*

Was in-charge of a 3 people team that was responsible for on-premise as well as cloud infrastructure

Directi   Mumbai, India
System Administrator L2 DNS, Database   *Jul 2010 - Mar 2013*

Designed a solution for DNS infrastructure (500,000 qps) which got DDoSed heavily and scaled the main postgresql database to accept high traffic

                                                                                                         Mumbai, India
Directi   *Jul 2007 - Jul 2010*
 System Administrator L1 Linux Hosting
Was on Call and learnt the basics of Linux Operating System