

Ronak Kogta

Interests

Distributed Systems, Data based feedback systems, Developer tools

Work Experience

Member of Technical Staff, **Thoughtspot** [Jul7 2017 - Present]

I am part of infrastructure team, and was involved in building chief infrastructure components for team, and scaled team from 3 to 60. I'm actively involved in maintaining our CI/CD infrastructure, internal tooling and building resource execution environments on top of AWS, Kubernetes, GCP, Azure, MaaS

Language: python, golang, groovy, bash

Infrastructure: Kubernetes, Jenkins, MaaS, Public Cloud

Cloud Infrastructure Engineer, **Kinvolk** [Jan 2017 - June 2017]

Principal Engineer, **Clouber** [2015-Jan 2017]

Build Engineer, **RENIAC Inc.** [2013-2015]

Projects

Nakama Tooling Framework

In this tooling framework, I designed and clubbed api of all our major workflow systems, including jenkins, jira, thoughtspot, slack, confluence, gerrit. The overall goal is to write developer tooling fast via juxtaposing different apis into one cli. This helped us to write quick developer toolings.

Nebula, cluster orchestrator

In this we worked to create a singular api/interface to schedule and orchestrate cluster across different platforms (*aws, azure, gcp, nutanix, bare metal, kubernetes*). This became a defacto interface for our developers to consume and create resources.

Language: golang, python, react

Migration from scons to bazel

We migrated our existing build system from scons to bazel, and resulted in improving our build time by 30X, as we started using remote caching, and other features of bazel

Improving on-call process

Our team used to have a lot of oncalls, and I participated actively to reduce our oncall via automation and documentation. It is one of interesting experience that I got from the process.

Talks

I have been actively involved in docker community in Hyderabad and presented several talks at meetups and Google Hyderabad.



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https://rarchk.github.io

Education

- 2011 – 2013 **Master of Science**
Parallel Algorithms, Computer Arch.
CVEST, IIIT Hyderabad
- 2007 – 2011 **Bachelor of Technology**
Computer Science
IIIT, Hyderabad

Skill Set

- Operating System *GNU Linux*
- Languages *C++, Python, Bash, golang, rust*
- Frameworks *Kubernetes, Public cloud, Jenkins, Gerrit, MaaS*
- Libraries *CUDA, Ansible, Jira Automation*

Research

- Papers Retargeting Optimization Sequences from Scalar Processors to FPGAs in HLS compilers [FPGA 2015]
- Posters Workshop in Hybrid Algorithms HiPC 2011, On Eigen Value computation using MPI for GPU and CPU

Hobbies

- Clubs I have ran GPUclub in past, and currently like to read research papers from time to time.
- Books I read about economics and entrepreneurship. HBR, Economist and Communications are my favorite magazines.
- Others I like to play hockey/football and listen to instrumentals