

FirstName LastName

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SUMMARY

Developer-turned-DevOps engineer; Agnostic to both cloud and technology stacks; Quick learner;

EXPERIENCE

Company 1

DevOps Engineer

May 2021 – Present

Bengaluru, IN

- Responsible for getting engineering team to adopt DevOps practices
- Kick-started cloud infrastructure management via IaC, provisioning via Ansible
- Built multiple deployment pipelines using GitHub Actions
- Spearheaded infrastructure monitoring and alerting
- Mentored junior members in the DevOps engineering team, empowered other engg teams to take ownership of their systems

Company 2

Software Engineer

Dec 2019 – May 2021

Bengaluru, IN

- Part of co-founding engineering team
- Participated in building cloud infrastructure under Azure and Azure China for a 'smart-chiller' product
- Worked towards developing a solution to sell flash-frozen food in contact-less settings during the COVID-19 pandemic
- On-boarded the earliest set of clients to the platform

Company 3

DevOps Engineer

Feb 2018 – Nov 2019

Chennai, IN

- Established monitoring and alerting within the engineering org and kickstarted SRE-like practices
- Wrote an application that would allow sending promotional messages over WhatsApp even before the advent of Twilio and other WhatsApp API vendors
- Managed cloud infra within AWS and OVH

Company 4

Software Engineer

May 2017 – Feb 2018

Mumbai, IN

- Contributed to the iCompanyi chatbot platform
- Dog-fooded the chatbot platform and produced chatbots for small businesses
- Implemented a service that allowed automated chatbot responses to incoming vendor emails

Company 5

Trainee Software Engineer

Nov 2016 – May 2017

Mumbai, IN

- Wrote web crawlers to scrape E-commerce websites using an in-house crawling framework written in Perl

PROJECTS

Generic Kubernetes Deployment Pipeline | *Github Actions, bash*

Q2 FY '22

- Used Github Actions to develop a CI/CD pipeline to deploy 40+ internal Kubernetes apps and 15+ infra-level k8s apps
- Empowered teams to make their own releases to all environments
- Worked with engg team to make this pipeline a part of all greenfield k8s apps
- Reduce time to hand-over from 3 business days to 2 business days
- Add bootstrapping automation and further reduced hand-over time from 2 business days to 1 business day

Prometheus alert router | *Python, AWS Lambda*

Q4, FY '22

- Implemented initial version of prometheus alert router in JavaScript, deployed to CloudFlare worker
- Worked with engg team and implemented router in Python and deployed to AWS Lambda for better observability and maintainability

Centralised Monitoring and alerting infrastructure | *Kubernetes, Ansible, Bash*

Q1, FY '21

- Deployed prometheus + alertmanager + grafana + percona monitoring stack to multiple environments to facilitate per-environment monitoring and alerting
- Implemented an ansible role to deploy prometheus-node-exporter and pmm-agent to 300+ linode instances

Centralised Log shipping | *Kubernetes, Elasticsearch, Fluentd, Kibana, Helm*

Q2, FY '22

- Deployed Elasticsearch + Kibana + Fluentd to multiple kubernetes environments
- Automated access to Log storage services using Github Actions + Python script

Automated certificate management | *Kubernetes, Cert-manager, Ansible, certbot*

Q2, FY '22

- Deployed cert-manager to various kubernetes environments
- Made use cert-manager CRDs to automate issuance and renewal of TLS certs from Lets Encrypt for services running on Kubernetes
- Wrote ansible role to deploy python-certbot to multiple linode VMs
- Altered ansible role to facilitate TLS setup for specialized services (such as RabbitMQ, Elasticsearch, Kafka, et. al)

Enforce 2FA for all org VIPs

Q3, FY '22

- Wrote up a proposal to enforce 2FA for org VIPs (CxO, Engg Managers et. al) for all logins - GitHub, Cloud accounts, other SaaS apps such as Slack, Google Workspace, etc.
- Improved security posture

TECHNICAL SKILLS

Languages: Python, Go

Frameworks: FastAPI, Flask

Developer Tools: Git, Docker

Container Orchestrators: Kubernetes, Docker-compose

Cloud platforms: Azure, AWS, Linode, Aliyun, AWS China, Azure China

EDUCATION

Some College

Jaipur, IN

B. Tech, Computer Science and Engineering

2012 – 2016