

# PRATIK ANURAG

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## Education

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### Dayananda Sagar College of Engineering

*Bachelor of Engineering in Information Science and Engineering*

**Aug. 2012 – Jul 2016**

*Bangalore, Karnataka*

## Summary

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Experienced Software Engineer with 9+ years in distributed systems, backend engineering, and infra automation. Proven success designing scalable systems, mentoring engineers, and shipping production-grade software at scale.

## Experience

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### PhonePe

**May 2021 – Present**

*Software Engineer* | Go, Python, MySQL, ELK

*Tools and Systems*

- Designed and developed in house database and platform activity monitoring tool with a support for mariaDB, percona, CosmosDB, Azure Subscriptions, PGSQL, Aerospike.
- Designed and developed a go based proxy-agent binary system to spawn Virtual Machines for Ubuntu/Rhel OS with functionalities such as auto scaling, numatuning, disk attach and resource management.
- Developed PhonePe Cloud system for provisioning and de provisioning machines with IP management, resource allocation and firmware updates.
- Developed Virtual Data Center with features such as asset management, procurement and onboarding tool which tracks deliveries, asset inventory and provides observability over the data centers.

### Kloud9 - Nike

**February 2020 – May 2021**

*Go Developer* | Go, Scala

*Data Ingestion and Platform*

- Designed and developed REST APIs for adding collecting metrics on user preferences.
- Worked on creating a data ingestion, validation and reporting pipeline from s3 bucket to hive database using EMR.

### Tekion Corp

**March 2019 – February 2020**

*Application Engineer* | Python, Go, MySQL, Mongoddb

*Platform*

- Developed REST APIs and Microservices in Go for current product Digital Service Experience
- Designed and deployed Email Verification API using dnspython and smtp which helped in reducing AWS email bounce issue by **96 percent**
- Wrote scripts to automate data migrations using pymongo,pymysql and jenkins.
- Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.

### MetricStream

**July 2016 – March 2019**

*Member of Technical Staff* | Python, Oracle SQL

*Cloud Apps*

- Designed and developed a portal to upload multiple CSVs along with their attributes and relationships and upload them to datastore to eliminate manual data entry.
- Remodelled existing Risk module and created a lighter version of the same, created dashboards api with faster response time.

## Projects and OpenSource Contributions

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### Ephor

- Created an application that will detect secrets being paste in non whitelisted apps.

### Arpkit

- Arpkit is a zero-daemon CLI for machine architecture profiling.

### Feluda

- CI fixes and Feature to read the data from gomodcache.

### GitPython

- Code Refactoring and Documentation fixes.

## Technical Skills

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**Languages:** Python, Go, Scala, HTML

**Databases:** MySQL, PL/SQL, Elasticsearch, Sqlite

**Technologies/Frameworks:** Linux, Git, Docker, Logstash, Rsyslog

## Extracurricular

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**PyCon India:** WorkGroup Lead for Volunteering Management, Logistics and Code of Conduct