

SHREE PRAKASH

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Career Objective

Looking for a challenging, respectable and responsible assignment in the area of software infrastructure which forms out my personal and professional growth and helps me to contribute effectively to the company growth.

Academic Profile

2016	Master of Computer Applications	National Institute of Technology, Durgapur
2013	Bachelor of Science (Hons) in Maths	Banaras Hindu University, Varanasi
2009	Intermediate	Uttar Pradesh Board
2007	Matriculation	Uttar Pradesh Board

Work Experience

Aaknet Pvt Limited	Software Engineer	April 2017 - January 2018
Stupid Chat Technology (acquired by Vokal India)	DevOps Engineer	January 2018 - April 2018
Bombinate technologies Pvt (Koo/Vokal)	DevOps Engineer	May 2018 to April 2020
Appdynamics(Part of Cisco)	Devops Engineer	April 2020 to Present

Technical Skill Set

Deployment languages: JAVA, Nodejs, ReactJs, Elixir, Python, Golang

Databases: PostgreSQL, MongoDB, Cassandra

Cloud: AWS, GCP

CI/CD: Jenkins, Codeship, Harness, TeamCity

Cache: Redis, Memcache

Container: Docker

Orchestration: Kubernetes

Scripting: Shell, Python, Terraform, Terragrunt

Monitoring: ELK stack, Grafana, Prometheus

Logging: ELK Stack, Splunk, Graylog

Others: Istio Service Mesh, Helm Charts, Open Telemetry

1. Key Works at Aak [AakNet Private Limited]

The company was trying to create jobs, classifieds and matrimony on a single platform.

- Setup Cassandra cluster, Hbase cluster on Hadoop.
- Setup entire aws infrastructure along VPC, EC2, S3, Elastic BeanStalk, HAProxy, etc.
- Developed multiple microservices in Spring Boot like Registration, classified, jobs, and matrimony.
- Created a Docker container for all microservices
- Created CI-CD along with codeship integrating with BitBucket.

2. Key Works at [Stupidchat Technology Pvt Ltd]

Here The company created the Trivia Quiz Game platform along with anonymous chat and live maps of users. During the peak time of the game, we achieved 1 lakh request within 10 seconds.

- Setup aws infrastructure using Elasticache Redis cluster, NLB, ELK, EC2, MongoDB Cluster.
- Created MongoDB cluster, Redis cluster **to handle 1 lakh traffic per 10 seconds.**
- Deployed NodeJs Application along with PM2 and EC2 behind Network Load Balancer.
- Created a Logging and Monitoring system along with ELK and its multiple ingesters.
- Redesign the entire infra by resolving several bottlenecks at the traffic level.

3. Key Works at Vokal/Koo India [Bombinate Technologies Pvt Ltd]

It's a vernacular language QnA platform where users ask questions and answers via audio video, and text on the website as well as android apps. Daily 5x questions are asked and more than 10x answers are given by users within 1 year.

Our monthly user's views are 5 million on the app and 6 million on the website.

Website:- <https://www.vokal.in/feed> and <https://www.koo.in>

- Created docker for all the microservices, written into **Elixir, Python, NodeJs, Java, and Kotlin.**
- Created **Kubernetes infrastructure** from scratch using kops and integrated with **ISTIO Service Mesh, Helm** for Production, Preprod, and QA Env.
- Created CI-CD for all container and non-container microservices using **Jenkins.**
- Migration from MYSQL to MongoDB
- Migrated multiple services from a hybrid cloud (Digital ocean, GCP) to single cloud service AWS
- Created a centralized logging system for all Microservice using **FluentD-Bit, ElasticSearch and Kibana.**
- Created a centralized Monitoring system using **Multiple exporters, Prometheus and Grafana.**
- Created a centralized Alerting system for application as well as machine matrices too.
- Automation of all data analytics report generation along with S3 and flock.
- Administer **MongoDB, Neo4j and PostgreSQL.**
- Migrated entire **Production, Preprod, and QA environment** from Singapore region to Mumbai region by creating separate vpc.
- Distributed tracing for all microservices using **New Relic.**
- Configuration, managing 82 machines, and entire infrastructure as a single DevOps engineer.
- Reduced entire infrastructure costs between **30-35%.**

Profiles

- Stack Overflow <https://stackoverflow.com/users/5956891/shreeprakash>
- LinkedIn <https://www.linkedin.com/in/shreeprakash-agrahari-a7628a40>
- GitHub <https://github.com/shree007>

I hereby declare that the information given above is true to the best of my knowledge.

Shree Prakash