

PRATYAY RUDRA

Cloud/DevOps Engineer

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EXPERIENCE

SDE 1 - DevOps

Trell

📅 Jan 2021 – Present 📍 Remote

- Maintained **200+** microservices with **99%** uptime.
- Leading the migration of AWS to GCP of more than **100+ microservices**
- Scaling K8s, DB and infra for handling **250k hits/min**
- Setup CI/CD pipeline using GitLab CI, ArgoCD
- Implementing VPN, Zero Trust Architecture and several other things to meet with compliance's
- Created multi node ES cluster and Kibana on K8s for log/error monitoring. Able to ingest more than **500GB** logs/day.
- Setup HA and Scalable Prometheus and Grafana Stack for hardware/resource monitoring and alerting.
- Optimized K8s for minimal wastage, using custom scripts and algorithms for scaling.
- Optimized several AWS services(VPC, EC2, EKS, IAM, RDS, etc.) as per best practices and to minimize wastage.

Backend and DevOps - Intern

Octo

📅 Dec 2020 – Feb 2021 📍 Remote

- Working with the team to migrate their entire back-end system of **20+ services** from Python to NodeJS.
- Migrated their database to AWS (Configured private VPC, seperated prod and development DBs) of **1.2TB** data)
- Used Elasticache (Redis) to implement caching layer between application and DB and reduced the overall latency by **50%**
- Started containerizing and deploying application using Docker.

Web Developer - Intern

B.K.E-Intellisense Pvt. Ltd.

📅 Jul 2020 – Dec 2020 📍 Remote

- I did web designing, development and maintenance of several websites using HTML, CSS, JavaScript, WordPress, etc.
- Performed regular maintenance of their cloud servers. Also deployed many new projects on the existing company servers.

Web Developer - Intern

Bums On The Saddle Pvt. Ltd.

📅 Sep 2019 – Sep 2019 📍 Remote

- Successfully created a marketplace for their company. Where users from anywhere in India can post ads to sell goods related to cycling.

SKILLS

AWS - VPC, EC2, EKS, ELB, IAM, etc

GCP - VM, GKE, VPC, GCS, StackDriver, etc

ES Grafana Prometheus

Alertmanager Kibana

Git Docker Helm K8s - GKE,EKS

CI/CD - GitHub Actions, GitLab, Jenkins

PROJECTS

OAuth2 Fake Server - NodeJS - 🔗

- Authorization Code Grant flow of OAuth 2.0
- Can generate access token and refresh_token
- Can issue access_token using the refresh_token
- Can validate User email and password to simulate authorization.
- Can validate access_token
- Can get userinfo using access_token
- Can revoke both access_token and refresh_token

Event Management API - NodeJS - 🔗

- This is an event management API with NodeJS, ExpressJS and MySQL.
- Events can be created, deleted, all events can be listed and upcoming events can be listed.
- A registered user only can attend an event.
- All the attendees of a particular event can be listed and all the attendees of all events can be listed.

Cloud Resource Management - JavaScript - 🔗

- Minimize the number of servers used.
- Maximize the resource utilization.
- Schedule the client requests into multilayer jobs categories - critical, moderate and normal.

EDUCATION

B.Tech Information Technology

RCC Institute of Information Technology

📅 Aug 2017 – Present 📍 Kolkata