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Bhupendra Yadav

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EDUCATION

Army Institute of Technology, Pune

Bachelor of Engineering
Batch 2017-2021 | CGPA: 8

MDVM School

Grad. May 2016 | Alwar, Rajasthan
Percentage: 90

SKILLS

Languages	Bash, C, C++, Python, Java
Frameworks	Vue.js
Cloud Environments	AWS(S3, IAM, RDS)
Databases	PostgreSQL
OS	Linux, Mac OS
DevOps	Docker, Kubernetes, Helm Charts, Prometheus, Grafana, Jenkins, ElasticSearch

TECHNICAL EXPERIENCE

Software Engineer-II(Data)

Sept 2022 — Present

Zeta Suite(DirectI)

Bangalore

- Building internal **data platform, for solving complex large-scale Batch and Stream processing** use cases using Apache Flink. Demonstrated Live 200 Million credit cards(End of Day Processing) Load Test using the platform to US Banks.
Tech Stack: Apache Flink, Java, Kubernetes, SpringBoot, PostgreSQL, Trino

Software Engineer-I(Data)

Jan 2021 — August 2022

Zeta Suite(DirectI)

Bangalore

- Worked on **building a web application** with tools integrated to access databases, analyse DB logs, RDS monitoring dashboards etc, resulting in improving security posture & ease of use for Dev's accessing DB's across different env. at a single place.
Tech Stack: Vue.js, typescript, HTML, SCSS, buefy, Postgresql, AWS RDS
- Managing, Upgrading, Performance testing & improving Dev experience for **DBasREST(PostgREST) service deployed as microservice(200+ applications) on K8s.**
Tech Stack: PostgreSQL, Kubernetes, Docker, Helm
- Writing Airflow Dags, Improving Performance & Observability of Airflow** by creating Grafana dashboards with Prometheus & Postgresql as datasource, using open-source & builtin exporters. Setting up alerts on these metrics for monitoring using Prometheus & Opsgenie for Failed Dag/task runs.
Tech Stack: Python, Apache Airflow, Prometheus, Grafana
- Enabling Distributed Tracing & Observability metrics by instrumenting Java Flink, Springboot applications.
Tech/Tools: Java, Jaeger, Opentelemetry
- Worked on **reducing AWS RDS monitoring cost by 70%** by exporting rds cloudwatch metrics to prometheus using open-source exporter.
- Built a containerized flask app which scrapes the alert threshold from RDS tags and converts them to prometheus metrics, for **dynamic threshold alerting.** These metrics are then used by Prometheus to fire alerts and push to opsgenie.
- Worked on integrating jenkins pipelines to **send the pipeline build status to bitbucket commit.**
Tech Stack: Prometheus, Helm, Grafana, AWS RDS, Jenkins.

EXTRA CURRICULAR

COMPETITIVE PROGRAMMING

- Codeforces max rating: 1909 (Candidate Master)
- CodeChef max rating: 2207 (6 Stars)

Links

Codeforces: [Not-Afraid](#)

CodeChef: [bhupixb](#)

ACHIEVEMENTS

- Qualified for ACM-ICPC Kanpur Regionals 2019.