

VARUN BHARDWAJ

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Education

Indian Institute of Information Technology, Allahabad

July 2019 – June 2023

Bachelor of Technology in Information Technology: CGPA: 8.29

Prayagraj, India

Experience

Oracle (Oracle Cloud Infrastructure)

July 2023 – Present

Member of Technical Staff

Bengaluru, IN

- Developed an automation application written in Python and deployed using OCI Function(Fn Project) to automate the Change Requests creation process in Jira through value templization, successfully onboarding over 500 active services.
- Orchestrated the network and infrastructure for the central Monitoring and Observability Framework containing highly available Grafana, Prometheus, Thanos & Loki across the EES organization.
- Designed and implemented an ETL engine in Golang, facilitating efficient batch transfers of more than 10 GB/s monitoring data from OCI Streaming Service to OCI Monitoring Service with less than 1% latency and overhead.
- Built and deployed multi-arch Docker images for open-source tools like Grafana, Thanos, and Loki on the Oracle Kubernetes Engine cluster.

Dunzo

Jan 2023 – Jun 2023

Software Engineer Intern

Bengaluru, IN

- Contributed to Offer, Pricing and Espresso Microservices written in Golang, enhancing Dunzo's Average Order Value (AOV) targets.
- Part of the team behind the "Offer Nudge (Snackbar)" initiative, prompting users to add more for incremental discounts which boosted AOV by Rs.15 based on preliminary evaluations.
- Wrote unit tests and handled debugging for the Offer service.

Oracle (Oracle Cloud Infrastructure)

May 2022 – July 2022

Project Intern

Bengaluru, IN

- Implemented Jaeger Distributed Tracing on OCI IDCS Kubernetes cluster using Helm charts.
- Configured Elasticsearch and Cassandra as Jaeger storage clusters, conducting a comparative analysis.
- Documented performance impact analysis on IDCS service, exploring Jaeger effects at 1%, 3%, and 10% sampling rates by setting Latency and increase in Index Size as the baseline parameters.

Projects

Caliita | github.com/caliita

July 2020

- Authored the frontend of Caliita, an event scheduling mobile application which keeps track of all the events happening in the college and gives timely reminders.
- Native android application developed using Java with integrated backend APIs and offline SQLite database support.
- The application has 500+ active users and is actively used by many societies of the college for event scheduling and managing.

Technical Skills

Languages: C++, Java, Golang, Python

Frameworks & DBs: Django, Spring Boot, MySQL, PostgreSQL

Tools: Docker, Kubernetes, Grafana, Loki, Prometheus, Thanos, Git

Blogs

Sending Push Notifications using Firebase Cloud Messaging

July 2020

medium/sending-push-notifications

- 250K+ views & 600+ claps till date

Leadership / Extracurricular

- President of the Students' Gymkhana of IIITA, organised the annual Cultural, Sports & Technical fests under my tenure.
- Coordinator of the App Development wing of the Technical society of IIITA, Organised Geektoberfest 2020, annual Hacktoberfest inspired open source event for freshers.