Varun Bhardwaj

 varunbhardwaj.com   +91-9319866520   varunbhardwaj.064@gmail.com   varun-bhardwaj   varun-bhardwaj

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 templatization, successfully onboarding over 600+ active users across 50+ teams and reducing the manual effort by 90%.
- Orchestrated the network and infrastructure for the central Monitoring and Observability Framework containing highly available Grafana, Prometheus, Thanos & Loki across the Oracle EES (Enterprise Engineering Service) organization, which is being adopted by 200+ services.
- Designed and implemented an ETL engine in Golang, facilitating efficient batch transfers of more than 1 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 OKE (Oracle Kubernetes Engine) cluster to handle workload of 200+ services.

Dunzo   **Jan 2023 – June 2023**
Software Engineer Intern   *Bengaluru, IN*

- Contributed to the Offer microservice, being a part of the team behind the Offer Nudge (Snackbar) initiative, prompting users to add more for incremental discounts which boosted AOV (Average Order Value) by Rs.15 based on preliminary evaluations.
- Increased Unit Test coverage of the Offer microservice to 90%.

Oracle (Oracle Cloud Infrastructure)   **May 2022 – July 2022**
Project Intern   *Bengaluru, IN*

- Implemented Jaeger Distributed Tracing for the OCI IDCS microservice on their OKE cluster using Helm charts.
- Configured Elasticsearch and Cassandra as Jaeger storage clusters, conducting a comparative impact analysis on IDCS microservice, exploring the effects at 1%, 3%, and 10% sampling rates with Latency and Index Size being the baseline parameters.

Projects

Caliiita | *github.com/caliiita*   **July 2020**

- Authored the frontend of Caliiita, an event scheduling native android application written in Java, which keeps track of all the events happening in the college and gives timely reminders.
- The application has 500+ active users and is actively being used by all the Technical, Cultural and the Sports societies of IIIT Allahabad for event scheduling and management.

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

Extracurricular

- President of the Students' Gymkhana of IIIT Allahabad, organised the annual Cultural, Sports & Technical fests with an overall footfall of 20K+ in the tenure.
- Coordinator of the App Development wing of the Technical society of IIIT Allahabad, organised Geektoberfest 2020, the annual Hacktoberfest inspired open source event for 600+ freshers.