

## EXPERIENCE

- ByteDance Inc. - TikTok | Software Engineer** California, USA | Jan 2025 – Present
- Developed multi-stage entrance to boost creator adoption of PC Live Manager, resulting in 3.6% uplift in live GMV and 1.5% increase in creator adoption.
  - Built Go Live Card, enabling high-potential sellers to discover missions, complete tasks, and earn incentives, boosting seller engagement rate by 2% and live penetration rate by 2.53%.
  - Built robust infrastructure to integrate LLM-generated scripts, streamlining product promotions during live sessions.
  - Built and deployed pre-live product recommendation functionality, driving engagement for 50K DAUs.
  - Optimized service performance by analyzing critical logs and proactively resolving bottlenecks.
  - Built an e-commerce event queue to send event notifications to influencer's web platforms.
  - Implemented automated seller whitelisting mechanism for auction features, improving scalability and reliability.
- Sallie Mae | Software Engineer** Indiana, USA | Aug 2024 – Dec 2024
- Collaborated with development teams to investigate and resolve production incidents, leveraging Dynatrace dashboards to reduce downtime and prevent recurrence.
  - Defined and monitored SLOs, SLIs, and error budgets in partnership with engineering teams, aligning reliability objectives with business priorities.
  - Optimized backend services to handle 6% more concurrent traffic, improving system stability during peak usage.
- Amazon | Software Engineer Co-op** Seattle, USA | Jul 2022 – Dec 2022
- Engineered an automation framework with AWS Lambda, S3, and DynamoDB to streamline operations for test stations, cutting delivery time from 3 days to 2 hours.
  - Implemented a notification system using AWS Cloud Watch and Event Bridge, enabling automated triggers for emails for compliance updates, ensuring timely communication and reducing manual effort.
  - Built an end-to-end automation system with ReactJS and Python APIs, streamlining task scheduling.
  - Built CI/CD pipeline using AWS CDK and Git for automating all builds and deployments, ensuring 100% production-readiness of the code.

- Infcube Technolabs | Full Stack Developer** India | Jan 2019 – Aug 2021
- Developed a Prometheus-driven data exporter capturing metrics every 15 minutes, creating interactive D3 and Grafana dashboards that improved monitoring accuracy and operational insights.
  - Integrated Prometheus Alert Manager to monitor system logs and events, automating email alerts and cutting network scanning costs by 34%.
  - Built a CI/CD pipeline with Jenkins, Docker, and Kubernetes, automating deployments and improving release speed.
  - Participated in code/design reviews to foster a collaborative coding environment.

## ACADEMIC PROJECT

### Twitter streaming with Kafka

- Built python application to consume tweets from Twitter and write to Elasticsearch cluster using Kafka Producer-Consumer API
- Improved code for higher throughput, safe and idempotent producer-consumer, added batching of messages to improve performance
- Used Kafka Streams API to filter out streams based on certain conditions.

## TECHNICAL SKILLS

**Technologies:** Python, Java, C++, ReactJs, JavaScript, Golang

**Frameworks:** Django, Spring Boot, Flask, AngularJs, .Net

**Database:** PostgreSQL, MongoDB, AWS DynamoDB, SQL, MySQL

**Cloud Services:** AWS, Google Cloud Platform, Azure

**Tools:** Git, Docker, Kubernetes, Jenkins, Jira, Terraform, Kafka, MS Office

## EDUCATION

### Northeastern University

*Masters of Science in Information Systems*

Sep 2021 – Dec 2023

Boston, MA, USA

### Gujarat Technological University

*Bachelors of Engineering in Computer Engineering*

Aug 2014 – Jun 2018

Gujarat, India