

ARCHIE SANGHAVI

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EXPERIENCE

ByteDance Inc. - TikTok | Software Engineer

California, USA | Jan 2025 – Present

- Architected multi-stage backend pipeline to accelerate creator onboarding for PC Live Manager, delivering 3.6% GMV uplift and 1.5%
- Engineered Go Live Card backend service enabling sellers to discover missions and earn incentives, increasing engagement by 2% and live penetration by
- Built scalable backend infrastructure integrating LLM-generated scripts, enabling real-time product
- Developed and deployed real-time product recommendation backend service, powering
- Enhanced backend service scalability by diagnosing critical logs and resolving
- Engineered asynchronous event queue infrastructure to deliver real-time
- Implemented automated whitelisting backend service for auction features, improving system scalability

Sallie Mae | Software Engineer

Indiana, USA | Aug 2024 – Dec 2024

- Collaborated with development teams to investigate and resolve production incidents, reducing downtime and preventing recurrence across
- Defined and monitored SLOs, SLIs, and error budgets with engineering teams, aligning reliability objectives with business
- Optimized backend services to handle 6% more concurrent traffic, improving system stability during

Amazon | Software Engineer Co-op

Seattle, USA | Jul 2022 – Dec 2022

- Engineered an automation framework with AWS Lambda, S3, and DynamoDB to streamline operations, reducing delivery time from 3 days to
- Implemented a notification system using AWS Cloud Watch and Event Bridge for automated compliance alerts, reducing manual effort and ensuring timely communication.
- Built an end-to-end automation system with ReactJS and Python APIs, streamlining task
- Built CI/CD pipeline using AWS CDK and Git to automate builds and deployments, ensuring production-readiness

Infcube Technolabs | Full Stack Developer

India | Jan 2019 – Aug 2021

- Engineered a Prometheus-driven metrics collection system capturing data every 15 minutes, enabling real-time operational visibility and improved backend monitoring
- Implemented Prometheus Alert Manager for automated event detection and alerting, reducing operational overhead and
- Architected a CI/CD pipeline using Jenkins, Docker, and Kubernetes to automate backend deployment
- Conducted rigorous code and design reviews to maintain backend quality

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: JavaScript, Golang, Java, Python, C++

Frameworks: Spring Boot, Django, Flask, AngularJs

Database: PostgreSQL, MongoDB, MySQL, SQL, AWS

Cloud Services: Google Cloud Platform, AWS

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

EDUCATION

Northeastern University

Sep 2021 – Dec 2023

Masters of Science in Information Systems

Boston, MA, USA

Gujarat Technological University

Aug 2014 – Jun 2018

Bachelors of Engineering in Computer Engineering

Gujarat, India