

Sushrut Sachin Vaidya

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SUMMARY

Backend and platform engineer with 3+ years of experience building distributed systems, automating CI/CD workflows, and scaling Airflow-based orchestration on AWS. Strong ownership of cloud infra, monitoring, and developer tooling used by 10+ teams across Apple Ad-Platforms.

EXPERIENCE

Quest-Global (Apple - Vendor), SOFTWARE DEVELOPMENT ENGINEER

Feb 2024 - Present

- Reduced DAG failure rate by 40% during peak load by engineering PodPriorityClass and Node Pool support into a custom Airflow plugin used by 1000+ production jobs.
- Led zero-downtime rollout of Airflow 2.4.5 across 5+ environments as Release Champion, enabling stable upgrades for 3K+ DAGs and 10+ internal teams.
- Automated runtime environment variable injection for 10+ Jenkins pipelines, eliminating manual errors and cutting deployment time by 60%.
- Engineered a flexible configuration management system leveraging Python and YAML, enabling seamless updates across 10+ teams and eliminating 90% of configuration-related deployment failures and securing 3K+ DAG deployments.
- Resolved 15+ critical incidents and release blockers, improving orchestration uptime by 25% and accelerating DAG delivery for consumer-facing workloads.
- Exposed OpenTelemetry ports on worker pods based on consumer request, enhancing observability and reducing debug time for performance bottlenecks.
- Collaborated with 6+ teams on cross-functional asks including SOX-compliance and custom scheduling logic; delivered all implementations on time.
- Drove MOSAIC platform integration by collecting reporting data from Cymatic and Data-Platform teams to deliver an end-to-end platform analysis report.

Persistent Systems, SOFTWARE ENGINEER

Jan 2022 - Aug 2023

- Developed RESTful APIs in Java and Spring Boot for Cart and Wishlist modules, improving service latency by 30% and supporting 100K+ concurrent users.
- Achieved 85%+ test coverage by writing 100+ unit and integration tests using JUnit and Mockito, reducing post-release bugs by 50%.
- Refactored database layer using Hibernate and optimized SQL queries, reducing query response time by 40% under production loads.
- Documented and validated APIs via SwaggerHub and Postman, reducing integration time for frontend teams by 25%.
- Streamlined CI/CD pipeline in Jenkins, cutting deployment time from 30 to 10 minutes and enabling faster release cycles across environments.

EDUCATION

Yeshwantrao Chavan College of Engineering, Nagpur

Bachelor of Technology • Electronics & Telecommunication • 2018 - 2022

SKILLS

- Java • Spring Boot • SpringMVC • Python • Flask MVC • Go • Terraform • Scripting • Docker • Kubernetes
- Apache Airflow

HONORS & AWARDS

Release Champion for Airflow-May-2.4.5

Impact 3K+ DAGs across Apple Ad-Platform

Finalist – Persistent Systems Technothon 2023

Patent Granted: Optimization of Solar Energy using PLC and IoT

Govt. of India