

AMRITANSHU DARBARI

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EDUCATION

IIIT Naya Raipur

B.Tech in Computer Science And Engineering

2022 – 2026

Naya Raipur, Chhattisgarh

EXPERIENCE

prestodb — Open Source Developer

August 2025 – September 2025

Java, Testing

Remote

- Contributed to prestopdb, a distributed SQL engine used at **Netflix**, **Uber**, **LinkedIn**.
- Refactored Iceberg connector architecture by migrating from a global to a local namespace, reducing coupling and improving maintainability, while expanding automated test coverage to enhance reliability for 10M+ daily queries in high-scale distributed SQL environments.

Jenkins — Open Source Developer

September 2025 – Present

Java, Maven

Remote

- Fixed a **Chrome-specific race condition** causing premature clicks and 404s by ensuring interactive elements are only activated after scripts fully load, improving reliability and user experience.
- Improved Jenkins debugging and stability by adding export of channel termination causes for easier root cause analysis across 1k+ deployments, fixing a build failure, and adding unit tests to reduce CI errors.
- Revamped **Jenkins Clover Plugin** to fully support multiple simultaneous code coverage reports per build without conflicts, fixing a major blocker. Redesigned core logic across 500+ lines, resolving a critical bug impacting numerous CI pipelines and improving stability for hundreds of Jenkins deployments globally.

PipesHub-AI — Open Source Developer

October 2025

FastAPI, Python, Freshservice, Discord

Remote

- Added Discord and Freshservice data sources and clients (6000+ LOC) to extend platform integrations with **enterprise APIs**.
- Leveraged official SDKs and HTTP clients to build reliable connectors for fetching server, channel, and ITSM data.
- Implemented standardized API design, code generation flow, and test modules for seamless multi-service support.

PROJECTS

LogFlow: Log Ingestion Pipeline

May 2025 – July 2025

- Designed a high-throughput, fault-tolerant log ingestion pipeline using Go, Kafka, and Elasticsearch, incorporating DLQ, retries, and circuit breakers for enhanced reliability.
- Implemented a full observability stack with Prometheus & Grafana for real-time monitoring and automated CI/CD with tests in a Dockerized environment.

MinuteGram: Scalable Social-Media Engine

Jan 2025 – Apr 2025

- Architected and deployed a scalable social media platform using Spring Boot, React, and AWS RDS, featuring JWT-based security and a containerized microservices architecture with Docker.
- Eliminated the N+1 problem by optimizing JPQL queries with DTOs, significantly improving feed generation performance, and ensured reliability with comprehensive JUnit and Mockito testing.

Onebox: AI-Powered Email Aggregator

Sept 2025 – Oct 2025

- Engineered a distributed microservices aggregator for real-time email sync using the IMAP IDLE protocol, featuring low-latency search with Elasticsearch and Slack/webhook notifications.
- Implemented AI-powered email categorization and RAG-based reply suggestions using OpenAI and a Qdrant vector database for contextual semantic search.

TECHNICAL SKILLS

Languages: Go, Java, Python, C, PostgreSQL, JavaScript

Frameworks: Flask, Spring Boot, Gin, React, Django

Tools: Git, Docker, Kafka, AWS, Elasticsearch, Linux, Makefile

ACHIEVEMENTS

- 2nd Place at Industry Academia Meet Hackathon 2025. Competed against 150+ participants across 15+ teams
- Contributed meaningful code to multiple large-scale open source projects with more than 15k+ GitHub stars.