

SRISHTI SAURAV

Cloud & Platform Engineer

Gurugram, Haryana

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SKILLS

Cloud & Distributed Systems:	OpenSearch, Apache Kafka, AWS services (OpenSearch, MSK, MSF, Q, Kinesis Suite, Kendra, AppFlow, S3, EC2, CloudWatch, CloudTrail, RDS, IAM, VPC, Lambda)
Infrastructure & Automation:	Linux, Docker, CI/CD (GitHub Actions), Git
Languages:	Python, Bash, Dart, SQL, C/C++
Frameworks:	Flutter, FastAPI, Pydantic
Backend & APIs:	REST API Design, JWT Authentication
Databases & Caching:	PostgreSQL, Redis, MySQL, MongoDB
Miscellaneous:	JSON, YAML, Word, Canva

WORK EXPERIENCE

Cloud Associate - Analytics

Amazon Web Services | Gurugram

Mar 2024 - Nov 2025

- Provided **technical troubleshooting** and **system diagnostics** for **distributed open-source data systems** including OpenSearch (Elasticsearch fork), Apache Kafka, and Apache Flink deployed on AWS managed infrastructure.
- Diagnosed and resolved **350+** complex engineering issues involving streaming **pipeline failures**, **cluster health degradation**, indexing **performance bottlenecks**, data **ingestion failures**, and **configuration errors** — maintaining a **5/5 customer satisfaction rating** throughout.
- Replicated customer environments to perform deep **root-cause analysis**, reviewing system configurations, logs, and metrics to identify architectural issues, performance bottlenecks, and stability concerns across open-source distributed systems.
- Built an Amazon Lex-based chatbot as an internal POC to **automate troubleshooting workflows** for OpenSearch cluster health states (yellow/red), standardising diagnostic steps and reducing resolution time across the team.
- **Authored internal knowledge base documentation** and migration guides to improve open-source troubleshooting workflows and **reduce case resolution time** for the broader support engineering team.

Flutter Development Trainee

BizBrolly | Noida

Feb 2024 - Mar 2024

- Completed hands-on training in Flutter and Dart, focusing on OOP principles, **modular architecture**, and **responsive UI design** for mobile application development.
- Built “Apprenons-le-Français”, a gamified language learning app implementing **quiz logic**, **scoring systems**, **interactive exercises**, and **reusable UI components**.

PROJECTS

Biblo – Reading Companion & Discovery App

GitHub: <https://github.com/SrishtiSaurav22/biblo>

Tech Stack: Flutter, FastAPI (Python), PostgreSQL, Apache Kafka, OpenSearch

- Built a Flutter Android reading tracker with JWT authentication, profile management, and reading list tracking across reading states.
- Built a FastAPI + PostgreSQL backend exposing a REST API for storage, retrieval, and user activity analytics.
- Designed a Kafka event-driven pipeline delivering personalised recommendations in real time over WebSockets, plus a scheduled email digest job.
- Implemented full-text search over an OpenSearch index and an ML-based recommendation system driven by user reading patterns.

Apprenons-le-Français – French Learning App

GitHub: <https://github.com/SrishtiSaurav22/alf>

Tech Stack: Flutter, Dart

- Built a gamified language learning Android app in Flutter with interactive exercises — word matching, multiple-choice, and keyboard input.
- Implemented scoring and performance tracking on a modular quiz architecture with a responsive UI.

Vehicle-to-Infrastructure (V2I) Traffic Simulator

GitHub: <https://github.com/SrishtiSaurav22/V2I-S>

Tech Stack: Python

- Designed and implemented a Python-based Vehicle-to-Infrastructure (V2I) traffic simulator to analyze road traffic flow and optimize signal coordination.
- Developed algorithms to reduce vehicle waiting time and carbon emissions, modelling interactions between vehicles and infrastructure for data-driven traffic management.

EDUCATION

Bachelor of Engineering in Computer Science & Engineering

CGPA: 8.47

KLE Technological University, Hubballi

Jan 2021 - July 2024

CERTIFICATES

[AWS Solutions Architect Associate \(SAA-C03\)](#)

May 2024 - May 2027

[AWS AI Practitioner \(AIF-C01\)](#)

Aug 2025 - Aug 2028