

Prajwal Banakar

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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EXPERIENCE

Google Summer of Code 2026 Contributor

May 2026 – Aug 2026

The Apache Software Foundation (Apache Fluss)

Remote

- Authored FIP-37 (Native RoaringBitmap Integration), accepted by community vote, shipped in Apache Fluss 1.0.
- Delivered 12 RoaringBitmap SQL functions natively in FlussCatalog, removing the external UDF JAR dependency.
- Fixed a priority=critical catalog validation bug blocking the Apache Fluss 1.0 release.
- Merged 6 FIP-37 PRs plus the Real-Time Page User Profile quickstart tutorial into apache/fluss.

Software Engineer Intern

Jan 2026 – April 2026

Springer Capital

Remote

- Built REST APIs and authentication flows using Java and Spring Boot for fintech platform operations.
- Designed SQL schemas and integrated backend services with Spring Data JPA end-to-end.

OPEN SOURCE CONTRIBUTIONS

Apache Fluss — Streaming Storage for Real-Time Analytics

Pull Requests

- 25+ pull requests merged, 7,000+ lines of code contributed across core engine, Flink connector, and documentation.
- Ranked in the **top 25 contributors** to Apache Fluss out of 160+ contributors.
- Credited contributor in Apache Fluss v0.9.0 and Fluss Clients v0.1.0 official releases.
- Built fluss-docgen a new module that automates ConfigOptions documentation generation.
- Diagnosed and fixed a shaded-JAR classloader bug affecting RoaringBitmap functions in production.
- Shipped Real-Time User Profile quickstart tutorial and Java, Python, Rust, and C++ client documentation.

TECHNICAL SKILLS

Languages	: Java, SQL, C++
Backend	: Spring Boot, Spring Security, Hibernate, RESTful APIs
Distributed Systems	: Apache Fluss, Apache Flink, Stream Processing, Distributed Storage
Databases	: MySQL, PostgreSQL
DevOps & Tools	: Git, GitHub, Docker, Maven, Jenkins, GitHub Actions, Linux
Concepts	: OOP, Multithreading, Collections Framework, System Design

PROJECTS

RoaringBitmap Analytics UDFs | Java, Apache Flink, RoaringBitmap

GitHub

- Implemented 12 bitmap SQL UDFs for Apache Flink covering aggregation, set operations, and cardinality queries.
- Reduces expensive COUNT(DISTINCT) aggregations using compressed bitmap representations at scale.

Employee Management System | Microservices, Spring Boot

GitHub

- Built distributed system with API Gateway, Eureka discovery, and JWT-based authentication.
- Developed employee, payroll, and leave services with REST inter-service communication on Docker.

EDUCATION

Bachelor of Engineering in Information Science

Dec 2022 – June 2026

Ghousia College of Engineering, VTU | **CGPA: 7.5/10**

Ramanagara

ACHIEVEMENTS

- Completed **Google Summer of Code 2026** under The Apache Software Foundation.
- Authored FIP-37, accepted through Apache community vote; shipped as part of Apache Fluss 1.0.
- Credited contributor in Apache Fluss v0.9.0 and Fluss Clients v0.1.0 official releases.