

# KULMEET SINGH JAGGI

Dehradun, India

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

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, JavaScript

**Cloud:** Google Cloud Platform (Pub/Sub, BigQuery, Dataflow, Cloud Composer, GCS, IAM)

**Backend:** Spring Boot, REST APIs, Node.js

**DevOps:** Terraform, Docker, Jenkins, CI/CD, Groovy, Kubernetes

**Data:** Apache Beam, Apache Airflow

**Tools:** Git, Maven, Postman

**Concepts:** Microservices, Distributed Systems, ETL Pipelines

**Certifications:** Google Cloud Professional Cloud Architect, Flipkart Grid 5.0 - National Semi-Finalist

## WORK EXPERIENCE

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### HSBC, Pune

Jul 2024 – Present

*Software Engineer (Cloud & Backend)*

- Built Terraform modules to provision and manage large-scale GCP infrastructure (~2000 resources).
- Developed Jenkins automation to manage weekend shutdown/restart cycles for Dataflow jobs, reducing compute costs by 30%.
- Optimized Apache Beam pipelines (Java + Spring Boot) streaming Pub/Sub events into BigQuery.
- Designed CI/CD pipelines with scanners (Sonar, Nexus, Checkmarx) for Cloud Composer (Airflow) DAG deployments, replacing VM-based schedulers with managed orchestration.

### Koders, Dehradun

Jan 2024 – Apr 2024

*Full Stack Developer Intern*

- Built an e-commerce platform supporting RazorPay checkout and automated order confirmation via Nodemailer for 1000+ SKUs, improving page load performance by 30%.
- Developed Discord bot integrations improving automated responses for a 300+ member developer community.

## PROJECTS

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### AI-Powered RFP Management System

*Next.js, Node.js, PostgreSQL, LLM APIs*

- Worked on an end-to-end platform that transforms unstructured procurement text into structured RFPs with LLMs, reducing manual drafting time by 80%.
- Created scalable APIs for vendor management, proposal parsing, and AI-based scoring/comparison, with systemized email workflows handling 100% of RFP invitations.

### Terraform Log Summarizer and Compliance Checker

*Groovy, Python*

- Added two stages to the Jenkins pipeline to enforce Terraform compliance and provide actionable log summaries for GCP deployments.
- Built a Python-based compliance checker using a break-first “shift-left” approach to ensure no non-privileged AD groups were assigned restricted roles (OWNER/WRITER), preventing misconfigurations early in the pipeline.
- Created a Terraform plan JSON summarizer that highlights major infrastructure changes including schema updates, IAM role additions, and service-account bindings across Pub/Sub, GCS, and BigQuery.

### Smart Data Storage Pipeline

*Python, Google Cloud*

- Developed a scalable Python script to convert over 1 TB+ of BigQuery table data into Parquet format, reducing storage costs by up to 30%.
- Implemented a serverless Cloud Function that automatically changes GCS file storage class (e.g., to Nearline or Coldline) based on last accessed timestamps, optimizing lifecycle management and cutting long-term storage costs by 40%.

## EDUCATION

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### Graphic Era University

*B.Tech Computer Science*

August 2020 — June 2024

*CGPA : 8.81*

### Grace Academy

*CBSE - Class 12<sup>th</sup>*

May 2018 — July 2020

*Percentage : 85.85%*