

# Shameek Agarwal

✉ shameek.agarwal@gmail.com    📞 +916290885679    📍 Bengaluru, India

## SUMMARY

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Dedicated software engineer focused on driving team success through hard work and collaboration

## PROFESSIONAL EXPERIENCE

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**New Relic**, *Senior Data Platform Engineer*

Jul 2025 – present | Bengaluru, India

- Working on end to end migration of DBT Cloud and Snowflake to DBT Core with Spark, resulting in potential cost savings of more than 250k\$ a year, and embracing the lakehouse architecture

**New Relic**, *Data Platform Engineer*

Aug 2024 – Jun 2025 | Bengaluru, India

- Engineered an Ingestion Framework for moving data from NRDB to Iceberg, involving a high-throughput API caller, handling 2.5M+ daily calls, and onboarded 15+ use cases via dynamic Airflow DAGs, reducing pipeline build time from 2+ weeks to 2-3 hours to accelerate analytics delivery.
- Spearheaded end-to-end deployment and integration of Airbyte into New Relic's infrastructure.
- Used the Fivetran Connector SDK for a custom connector to aid ingestion of billing data.
- Designed and deployed comprehensive reliability dashboards with freshness and volume tests, proactively detecting 12+ potential incidents within 30 minutes (previously 2+ weeks), reducing PagerDuty alerts from 4 per week to 1 per month, and achieving 99.95% SLO.
- Successfully managed ingestion from high-volume Kafka topics getting data around 65 GB/second to various destinations like Iceberg, S3 and Snowflake via Kafka Connect.
- Deployed Spark on Kubernetes using KubeFlow. Wrote several spark jobs, both batch and streaming.

**Goldman Sachs**, *Analyst (Full Stack Engineer)*

Feb 2022 – Jul 2024 | Bengaluru, India

- Developed a pipeline for legacy data migration and implemented batch analytics using the firm's in-house data platform, marking the first successful implementation of this architecture in my division.
- Developed a versatile robust Email Service for external communication, integrating with in-house object storage for efficient attachment handling, and utilized multithreading for concurrent dispatch.
- Leveraged Webpack's Module Federation plugin to refactor monolithic frontends, breaking down shared components and state into unified libraries.

## SKILLS

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Airflow | Algorithms | AWS | Computer Networking | Data Pipelines | Data Structures | Data Warehousing | Docker | Elasticsearch | Fivetran | Git | GitLab CI | Hadoop | High-Level Design (HLD) | Hibernate | Iceberg | Java | JUnit | Kafka | Kafka Connect | LLM and Agentic AI | Low-Level Design (LLD) | Maven | Mockito | OpenTelemetry | ReactJS | S3 | Snowflake | Spark | Spring Boot | Spring Security

## EDUCATION

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**Manipal Institute of Technology**,

May 2018 – Jun 2022 | Udupi, India

*Bachelor's Degree in Computer Science*

9.64 CGPA