

# Rohan Kumar

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## TECHNICAL SKILLS

- **Languages:** Java, Python, SQL, Bash, C/C++
- **Frameworks & Libraries:** Spring Boot, Dropwizard, React, REST, GraphQL, Akka, Scala
- **Cloud & DevOps:** AWS (Aurora, DynamoDB, SQS, ElastiCache), Docker, Kubernetes, Terraform, Jenkins, Buildkite, Harness
- **Data & Storage:** MySQL, ClickHouse, Kafka, Redis, BigQuery, Elasticsearch, PostgreSQL, DynamoDB
- **Observability:** Grafana, Datadog

## WORK EXPERIENCE

**Sr. Software Engineer L3** · Twilio Oct 2022 – Present

- Built and own the end-to-end ingestion pipeline for upstream data from scratch for Flex and Sierra Insights. **Ingests 100+ events/sec into ClickHouse tables and materialized views.**
- Architected the data plane in a secondary region to support Disaster Recovery in Flex; evaluated multiple approaches for an optimised solution.
- Migrated live traffic of **500+ requests/sec** from self-hosted MySQL to an AWS Aurora cluster with **zero downtime** and **100% data consistency**.
- Worked as a full-stack engineer to deliver Email as a channel in Flex — including billing enablement and front-end bug resolution.
- Rapidly adapted to Scala and the Akka framework; resolved critical blockers and multiple SEV0/SEV1 on-call incidents for Flex Proxy.

**Software Engineer** · Informatica Apr 2022 – Oct 2022

- Optimised the Salesforce Mass Ingestion connector, achieving a **10× performance improvement**. Also contributed to the Oracle DB connector.
- Collaborated closely with customers and improved logging to accelerate root-cause analysis of production issues.

**Associate Software Engineer** · Informatica Aug 2020 – Mar 2022

- Owned end-to-end development of common frameworks and application connectors (Salesforce, MSD365, SAP) for mass ingestion to Data Warehouses, Data Lakes, and Streaming targets.
- Authored Bash automation scripts for installing Cloud Mass Ingestion on Docker, resulting in **2× faster** development and testing cycles.
- Built a Python automation script eliminating manual bootstrapping for new connectors — **reducing onboarding effort from one week to one day**.

**R&D Intern** · Informatica Aug 2019 – Jul 2020

- Supported 150+ Informatica partners worldwide during the virtual Data Governance Partner Enablement Program.
- Designed and built 50+ product walkthroughs for Axon and EDC, directly contributing to increased platform adoption.

## EDUCATION

**KIIT University** · B.Tech in Computer Science · CGPA: **8.98 / 10** 2016 – 2020

## KEY PROJECTS

**Flex Data Plane** – Secondary data plane for Disaster Recovery Twilio

- Architected and implemented the complete data plane in a secondary region; conducted multiple POCs to identify the best approach with 100% consistency guarantees.
- Documented every component and automated manual setup steps, significantly reducing provisioning time.
- **Stack:** Java, Spring Boot, Python, Terraform, AWS Aurora, MySQL

**Flex Proxy** – One-to-one communication masking service Twilio

- Executed zero-downtime migration from self-hosted MySQL to AWS Aurora; revamped the DAO layer using the AWS SDK.
- **Stack:** Java, Scala, Spring Boot, AWS Aurora, MySQL, ProxySQL, Redis, ElastiCache

**Flex Real-Time Insights** – Real-time metrics aggregator Twilio

- Contributed to multiple microservices that collectively aggregate and surface real-time metrics across communication channels in Flex.
- **Stack:** Java, Spring Boot, Dropwizard, Kafka, DynamoDB, Elasticsearch