

Rohan Kumar

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Skills

- **Programming and Scripting languages:** JAVA, Python, Scala, SQL, C/C++
- **Frameworks and Libraries:** Spring, Spring Boot, Dropwizard, Docker, REST, GraphQL
- **Cloud and Techs:** Distributed System, AWS, Docker, Terraform, Jenkins, Buildkite, Git
- **Databases:** MySQL, AWS Aurora, DynamoDB, Redis, ElastiCache, Kafka, AWS SQS, BigQuery, Elasticsearch, PostgreSQL

Experience

Software Engineer L2, Twilio OCT 2022 - PRESENT

- Building Insights solutions for Flex.
- Built the data plane in the secondary region to support Disaster Recovery in Flex. Explored many paths for an optimized approach.
- Migrated live traffic of **500+ request/sec** from self-hosted MySQL to AWS Aurora cluster with **ZERO downtime** and maintaining **100% consistency**.
- Worked as a full stack engineer for building Email as a channel in Flex, enabling billing and resolving front-end blockers and bugs.
- Quickly adapted to Scala and Akka Framework and resolved many blockers and bugs along with few critical SEV0, SEV1 outages as on-call engineer for Flex Proxy.

Software Engineer, Informatica APR 2022 - OCT 2022

- Made the Salesforce Mass Ingestion connector **10 times faster** than before. Also worked on the Oracle DB connector.
- Constantly collaborated with customers and improved logging for better analysis of any customer issues.

Associate Software Engineer, Informatica AUG 2020 - MAR 2022

- Owned end-to-end development and worked at various stages for building common frameworks and application connectors like Salesforce, MSD365, and SAP for mass ingestion to Data Warehouses, Data Lakes, and Streaming targets.
- Built bash automation scripts for installing Cloud Mass Ingestion on Docker which led to **2x faster** development and testing.
- Built a Python automation script to reduce the initial manual steps needed while creating a new connector. **The development effort was reduced from one week to one day for any new connector.**

R&D Intern, Informatica AUG 2019 - JULY 2020

- Assisted 150+ Informatica partners worldwide during the virtual Data Governance - Partner Enablement Program.
- Designed and built 50+ walkthroughs for Axon and EDC which resulted in an increased platform adoption rate.

Education

KIIT University, B.Tech in Computer Science, 8.98 CGPA 2016 - 2020

Projects

Flex Data Plane, secondary data plane to support disaster recovery in Flex Twilio

- Architected and implemented end to end data plane in secondary region. Performed multiple POCs to find the best approach to implement with 100% consistency.
- Documented each and every part of this project and automated the manual steps to reduce the setup time to significant rate.
- Skills honed in AWS, Aurora, MYSQL DB Internals, Python, Terraform, Springboot, Java

Proxy, One to one communication masking service Twilio

- Migrated from self-hosted MYSQL to Aurora with ZERO downtime. Revamped the DAO layer with AWS SDK.
- Skills honed in AWS, Aurora, MYSQL, ProxySQL, Springboot, Java, Scala, Redis, ElastiCache

Flex Real-time Insights, real time insights aggregator Twilio

- Working on many different microservices that collectively aggregate and push insights and metrics regarding various communication channels in real time over Flex.
- Skills honed in Springboot, DropWizard, Kafka, DynamoDB, Elasticsearch