Contact

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Address

Ram Nagar, Roorkee
Uttarakhand - 247667

Education

2015 - 2019

B.Tech

College of Engineering Roorkee

Skills

- Java
- Ruby on Rails
- Kafka
- Postgres
- Elasticsearch
- Ansible
- AWS
- Kubernetes
- Docker
- Redis
- gRPC
- Git

Language

English

Hindi

Naman Gulati
Senior Software Engineer

Experienced and results-driven professional with a strong background in Java, Kafka, Ruby on Rails, and databases. Adept at designing and implementing robust software solutions to address complex business challenges. Proven expertise in developing and optimizing applications, with a focus on scalability, performance, and reliability. Excels in problem-solving and adapting to new technologies, ensuring the successful execution of projects.

Experience

Feb 2019 - Dec 2021

Loconav | Gurugram

Software Engineer

Trip Scheduler

- Creation of scheduled future vehicle trips using Ruby on rails models, views and controllers
- Rails Sidekiq gem for processing scheduled trip creation jobs

Schemas Gem

- Gem to allow sharing of proto API contracts across microservices to implement gRPC clients and server

Admin Portal

- Admin portal built with rails active admin to provide interface to Support and KAM teams for handling support issue tickets

Rest APIs

- Restful APIs built on top of grape gem to provide crud operations endpoints to frontend and external clients

Data Pusher

- Pusher service to read IoT sensor data from postgres DB and forward to external clients through http apis

Reportables

- Background data and alerts report generation. rendering, scheduling and delivery using rails icecube gem and AWS SES

gRPC Integration

- Integration of internal gRPC apis with Ruby on Rails as client and Java services as server
- High throughput and highly performant APIs
  built on top of multiplexed http2 connection and more optimized data format of protobuf

Senior Software Engineer

Electric Vehicle Analytics System
- Spearhead the implementation of ingestion and analytics microservices for details EV analytics in JAVA backed by gRPC, timescaleDB and kafka consumer and streaming APIs

Kafka Upgrade
- Upgraded a 3 broker production kafka cluster using mirrored backup with zero downtime

Envoy Proxy Setup
- Explored multiple data plane options and created envoy proxy as data plane layer for high traffic gRPC APIs

Device Management System
- Metadata store for IoT device using postgres as the store
- Kafka pipeline for real time aggregation of IoT sensor data using job processor and cassandra as store

RFID Tap Alert System
- Detection of RFID Tap alerts from IoT devices thorugh kafka consumer application
- Capturing alerting for reporting in postgres DB and notification using amazon SES

Data Delivery System
- Data ingestion and forwarding system built on top of RESTful java APIs, filtering and transforming data in kafka and forwarding transformed data to external clients via HTTP APIs
- Dealing with handling of 300 million daily data points

Vehicle Movement Status Detection
- Realtime movement status detection of vehicles from IoT data
- Redis as movement status window cache store
- Websockets for publication of detected movement status to frontend microservices