

Nitin Kumar

SOFTWARE ENGINEER

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Work Experience

Credgenics

Noida, India

SOFTWARE ENGINEER (BACKEND)

June, 2022 - PRESENT

- Improve the latency of communication API from **3-4 seconds** to **80-95 milliseconds** by decoupling the payment link generation service using kafka. Built the robust payment link generation system and keeping track of number of successful and failure cases and send the report via email.
- Build the scalable export service to generate report using kafka and able to generate report with **400k** data.
- Developed the system to maintain the trigger and delivery status and count of triggered communication and send report after completion using kafka, and used redis to avoid the race condition.
- Build the real time communication service triggered via vendor webhook using real time streaming using kafka to trigger communication for particular set of dispositions.
- Build the DND microservice from scratch to exclude the contacts locally and globally before sending any type of communication. And design the table structure for the same.

Classplus

Noida, India

SOFTWARE ENGINEER (BACKEND)

November, 2020 - June, 2022

- Developed the scalable whatsapp communication channel using GCP pub/Sub system to broadcast and send messages on events like transaction, complaint ticket resolution, etc to keep customer in loop with onboarding process.
- Automated the ticket creation process using freshdesk api to track the daily customer engagement with the product for CSM team.
- Improve the latency of customer payment summary api from **6 seconds** to **100 ms** by optimizing keys deletion process using hashset.
- Involved in the AWS to GCP migration and DB migration and cut-over process.
- Automate the app renewal process and handle the payment process which lead to increase in the B2B app renewals (i.e, **more than 600 renewals within 3 months**.)
- Took the complete ownership of the Internationalization feature for whitelabel product, handled all the text, sms, notification and timezone related conversion and able to release feature in strict deadline.

LearnApp

Noida, India

SOFTWARE ENGINEER (BACKEND)

December, 2019 - July, 2020

- Developed scalable microservice to broadcast push notifications using AWS sqs and lambda using nestjs framework.
- Developed auth microservice using lambda authorizer which will be triggered when user try to access protected routes.

EdificeVR

Remote

WEB DEVELOPER

July, 2019 - December, 2019

- Created a complete full stack application using vuejs and nodejs where user can login and upload images and CAD models to showcase their properties.
- Attendance system using react native where user login and take photos of students from where it will be sent to facial recognition system via rabbitmq.

Tagglabs

Gurgaon, India

FULL STACK DEVELOPER INTERN

February, 2019 - June, 2019

- Developed browser automation project using puppeteer where user can register and play online game semantris and score will be captured and saved into the database.
- Event based project to read live stream of tweets with particular hashtag.

Skills

Programming Python, Quart, FastAPI, Javascript, Nodejs, Nestjs

Databases MySQL, Postgres

Tools RabbitMQ, Redis, Kafka, Git, Swagger

Projects

Graph Algorithm Path Visualizer

GRAPH ALGORITHM VISUALIZER WHERE YOU CAN VISUALIZER PATH TRAVERSED IN ALGORITHMS LIKE DIJKSTRAS, BREADTH

FIRST SEARCH OR DEPTH FIRST SEARCH.

- <https://nk8916.github.io/path-visualizer/>