

ALFRED SKARIA

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WORK EXPERIENCE

Paytm Money

Feb 2021 - Present

Software Engineer

- Designed the architecture of Good Till Triggered (GTT) orders project.
- Developed the GTT orders feature from scratch and deployed it to production.

<https://www.paytmoney.com/blog/good-till-triggered-orders-paytm-money/>

- Developed the developer platform of Paytm money from scratch.
- Deployed the open APIs in production and integrated those APIs with Tradetron (3rd party Algo trading service)
- Worked in Equity & Derivatives domain of Paytm Money

Nissan Motor Corporation

Aug 2018 - Feb 2021

Software Engineer

- Designed and Developed **Vehicle Quality Management** (VQM) mobile application from scratch which reduced the time for inspecting and repairing the vehicles by **25%**.
- Developed and deployed Offline-Vin-Traceability project and increased the **DSTAR** efficiency by **25%**.
- Designed the architecture for **Common Authorization Framework** and Offline-Vin-Traceability projects.
- Worked as an engineer in Supply Chain Management and Manufacturing Domain.

PROJECTS

Good Till Triggered (GTT) Orders

Paytm Money

- GTT feature allows users to place orders that will get triggered when preset conditions are met.
- Followed the microservice architecture to design the GTT orders project for horizontal scaling.
- Optimized the average response time of GTT orders APIs to 19 milliseconds.
- Event-based communication between different microservices is developed for asynchronous processing of GTT instructions.
- Technologies used: Java 8, Spring Boot, Spring JPA, Junit5, AWS SQS, MySQL

SKILLS

Languages & Frameworks:

Java 8, C++ 11, HTML, CSS

Spring Boot, Spring Data JPA, Junit 4.

Databases:

MySQL, PostgreSQL.

Web Technologies and Tools:

Microservices, REST, AWS EC2, AWS SQS, AWS API Gateway, AWS S3, Jenkins, Tomcat 9, Git, Bitbucket, Github, Gitlab, Jira, Maven, Apache poi.

ACADEMIC QUALIFICATIONS

B-Tech

Computer Science and Engineering

N.S.S College Of Engineering,
Palakkad
CGPA - 7.43

Higher Secondary Education

St. Thomas College, Thrissur.
Percentage - 96.5

Open Api Project

Paytm Money

- Open API project is a developer platform where Paytm Money is exposing its internal APIs via the Spring Cloud Gateway.
- The gateway mainly acts as a proxy service that will route the API requests to the downstream microservices.
- Implemented a custom rate-limiting algorithm for throttling the load in downstream APIs.
- Integrated the Open APIs with Tradetron Application (3rd Party Algo trading Service.)
- Approximately 1 lakh requests are served per day for a single merchant application.
- Technologies used: Java 8, Spring Cloud Gateway, AWS S3.

Vehicle Quality Management (VQM)

Nissan Motor Corporation

- Inspection of vehicles through pen and paper approach was digitalized into a tablet application.
- An algorithm was built for finding the repair count of a vehicle that has undergone an inspection.
- Real-time visualization of inspection and repair data.
- Admin console was also built to configure the master data.
- Reduced time of inspection and repair by 25%.
- Technologies used: Java 8, Spring Boot, JPA, Junit4, Microservices.

Offline-Vin-Traceability

Nissan Motor Corporation

- A web application powered by a customized prioritization algorithm was built.
- The prioritization algorithm takes 5 parameters and prioritizes the vehicles to be repaired accordingly.
- 25% increase in vehicle production was achieved.
- Technologies used: Java 8, Spring Boot, Kafka

ACHIEVEMENTS

- Winner of Digital Masala Challenge conducted by **Facebook** and **Youth Ki Awaaz**.
 - Finalist of Smart India hackathon conducted by Central Government of India.
 - **"Best Ready to Market"** award for ReUse hackathon in Nissan Digital.
 - Top 10 finalists out of 24 teams in Digithon and secured **"Best Innovative award"** in Nissan Digital
 - Selected as **Chief Creative Officer** (CCO) of Entrepreneurship and Development Cell.
 - Coordinated two national level management fest (Entreprenia).
 - 2 star rating in **Codechef**
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