

# ALFRED SKARIA

Software Engineer

## Experience

### Software Engineer

Paytm Money Limited

Feb 2021 - Present

Bangalore, India

- Architected a microservice design for the GTT orders application using the pub-sub model.
- Played an instrumental role in the development and successful launch of the GTT orders project.
- Invented a custom rate-limiting algorithm using Redis for throttling the load in downstream APIs.
- Engineered the solution for processing 5 lakh+ orders per day placed by customers.
- Codeveloped the core order placement feature, which has more than 10 million transactions per month
- Developed a POC for the Open API gateway project using AWS API Gateway.

**Technologies / Tools:** Java, Spring Boot, Spring Cloud Gateway, Spring Data JPA, MySQL, AWS SQS, AWS API Gateway, AWS S3, AWS Lambda, AWS EC2, Kubernetes, Docker, Grafana, Prometheus, Elasticsearch, Kibana, Git.

### Software Engineer

Nissan Motor Corporation

Aug 2018 - Feb 2021

Trivandrum, India

- Spearheaded the development of Vehicle Quality Management (VQM) application from scratch to deploying it to the production.
- Architected the Low-level design for vehicle quality management application.
- Improved the efficiency of repairing vehicles in an assembly line by 30% using a prioritization algorithm in the Vin Traceability project.
- Transitioned the self-managed schema DDL files to Liquibase schema changelogs.
- Reviewed source code of peer developers, and recommended review comments as per coding standards.

**Technologies / Tools:** Java, Spring Boot, Spring Data JPA, PostgreSQL, Liquibase, Tomcat, AWS S3, AWS EC2, Git.

## Technical Skills

**Languages:** Java, C++, SQL, NoSQL, HTML, CSS

**Frameworks and Libraries:** Spring (Spring Boot, Spring Restful/MVC, Spring Cloud Gateway, Spring Data JPA), Junit5, Mockito, Liquibase.

**Web Technologies and Tools:** Docker, Kubernetes, Kibana, Prometheus, Grafana, Jenkins, Tomcat, REST, Microservices Architecture, Event-Driven Architecture.

**Cloud:** AWS SQS, AWS API Gateway, AWS S3, AWS EC2, AWS Lambda

**DB:** MySQL, PostgreSQL, Elasticsearch.

**Version Control:** Gitlab, Bitbucket, Github

## Personal Info

### Address

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### Phone

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### Email

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### Website

alfredskaria.github.io

### Github

github.com/AlfredSkaria

### LinkedIn

linkedin.com/in/alfred-skaria

## Education

### Bachelor Of Technology

NSS college of Engineering

Computer Science & Engineering  
(2014-2018)

- Studied software engineering subjects - DataStructures & Algorithms, DBMS, OS, AI.
- Built Hashtag Recommendation System using LDA Algorithm and Topic modelling as part of final year project

### Higher Secondary

St. Thomas College

Computer Science (2012-2014)

- Studied basics of object oriented programming languages, C++ and Java.

## 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.