



Alfred Skaria

Software Engineer

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Diligent software engineer with 3+ years experience in application development and microservices architecture. Proficient in utilising a wide variety of programs and tools to provide high quality and cost effective applications/systems to boost organisational efficiency and productivity.

TECHNICAL SKILLS

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

Frameworks and Libraries: Spring (Spring Boot, Spring Resful/MVC, Spring Cloud Gateway, Spring Data JPA), Mockito.

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

Cloud: AWS SQS, AWS API Gateway, AWS S3

DBMS: MySQL, PostgreSQL

Design Patterns / SD Principles: SOLID, Factory Design Pattern, Singleton, Builder.

Version Control: Gitlab, Bitbucket, Github

SD Models: Agile methodology, Scrum, Iterative development

WORK EXPERIENCE

Paytm Money Limited

Feb 2021 - Present | Bangalore, India

Role: Software Engineer

GTT Orders: Usually, when a user places an order to buy/sell stocks of a company, the validity of the order will be a single day. The GTT orders project helped users to place buy/sell orders having validity of one year. The order will be triggered when preset conditions are met.

Open API Gateway: It is a developer platform where Paytm Money is exposing its internal APIs via Spring Cloud Gateway. The gateway primarily acts as a proxy service that will route the API requests to the downstream microservices.

Responsibilities:

- Architected an event driven microservice design for scalability of GTT orders application.
- Played an instrumental role in the development and successful launch of GTT orders.
- Invented a custom rate-limiting algorithm using Redis for throttling the load in downstream APIs.
- Integrated the Open APIs with Tradetron Application (3rd Party Algorithm trading Service.)
- Developed a POC for 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, Kubernetes, Docker, Grafana, Prometheus, Elasticsearch, Kibana, Git.

Nissan Motor Corporation

Aug 2018 - Feb 2021 | Trivandrum, India

Role: Software Engineer

Vehicle Quality Management: A tablet application for the quality inspectors to identify and mark the damages that happened to a vehicle. Inspector can upload the image of each damage, which helped the repair man to easily fix the damages.

Offline Vin Traceability: A web application to prioritize the vehicles to be repaired in different stages of an assembly line. Vehicle movement in the assembly line is tracked using Raspberry pi and Bluetooth beacons.

Responsibilities:

- Spearheaded the development of Vehicle Quality Management (VQM) application from scratch to deploying it to the production.
- Improved the efficiency of repairing vehicles in an assembly line by 30% using a prioritization algorithm.
- Liaised with Product Managers to identify minimum viable product requirements and clearly defined feature sets into well-scoped user stories for individual team members.
- 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, Git.

ACADEMIC QUALIFICATIONS

Bachelor Of Technology

NSS College of Engineering

Computer Science and Engineering

July 2014 - May 2018

Palakkad, Kerala, India

- Studied basic software engineering subjects like DS, Algorithms, DBMS, OS, CA, AI etc.
- As part of final year project, I have worked on Topic modelling of hashtags in twitter using LDA Algorithm.

Higher Secondary

St. Thomas College

Computer Science

July 2012 - May 2014

Thrissur, Kerala, India

- Studied basics of object oriented programming languages like 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.
- Top 10 finalists out of 24 teams in Digithon and secured "Best Innovative award" in Nissan.
- Selected as Chief Creative Officer (CCO) of Entrepreneurship and Development Cell.
- Coordinated two national level management fest (Entreprenia).
- 2 star rating in Codechef