

Rahul Saha

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Summary — Results-driven Software Engineer with 3+ years of experience in Java, Spring Boot, PostgreSQL, React.js, and Microservices. Skilled in designing scalable architectures and optimizing business applications.

Skills

Programming Languages: Java, Rest Apis, JWT, C/C++, JavaScript, PHP, Node.js, Go

Front-end Technologies: React.js, HTML/CSS, Bootstrap

Databases: PostgreSQL, MySQL, MongoDB, Redis

Messaging Event Streaming: ActiveMQ

Server-side Technologies : Spring Boot (Microservices, Rest Template, Eureka Server)

DevOps: Git/GitHub, Docker, Gradle

Experience

Flexmoney Technologies Pvt. Ltd.

Jan 2022 – Present

Software Development Engineer

Designing Business-Critical Offer Merchant Systems And Mentoring

- Designed the system to enable merchants to download 1 million transaction records within a minute via reports.
- Recognized as 'Engineer of the Quarter' for outstanding contributions to offer management systems, merchant onboarding Frameworks and process optimization.
- Led the end-to-end design and development of a strategic Offer Management System, a critical component driving business revenue.
- Designed and developed the MDR and Subvention handling processes.
- Mentoring an intern to deliver high-quality solutions and grasp complex concepts.

New Service Creation and Integration with existing Framework

- Spearheaded the migration from Log4j1 to Log4j2, and implemented separate Rollbar logs, enhancing logging efficiency and operations management.
- Engineered and optimized reports for Payment Aggregator onboarding, effectively guiding interns in their contributions.
- Designed automated settlement report generation and automated email system to send this reports directly to PGs, reducing processing time from 4 hours to 5 minutes.

Internal Product Development

- Developed intricate Superset queries for daily reporting, empowering operations with actionable insights.
- Enhanced settlement process efficiency through iterative improvements and optimizations.
- Assisted in the development of transaction flow API for direct merchants and contributed to customer-facing page improvements.

Projects

Microservice based online money management system

Java, Spring Boot, PostgreSQL, Docker, JWT, Eureka Server, Kafka

- Led the development of a comprehensive auth-service with key features like user login, role-based authentication, and password recovery, alongside integrating an email notification service via Kafka events.
- Gained expertise in Eureka Server, API Gateway, and Kafka, building a scalable backend for real-time user management.

RS-Chat - Online realtime-chat application

React.js, HTML/CSS, Bootstrap, Node.js, Express.js, MongoDB, Socket.io

- Full-Stack Development: Created a multi-chat application with key features including login, logout, password recovery, user blocking, and online/offline status.
- Privacy Feature: Implemented a secret chat feature, viewable only on the specific device, ensuring enhanced privacy.

Resume Maker - Android App

PHP, MySQL

- Designed and developed the entire backend, including APIs for user authentication (login, signup, logout), password management, resume management, and dashboard functionalities.
- Implemented email verification using OTP, with secure authentication mechanisms powered by JWT with an admin api to upload new resumes.

Education

Pondicherry University

Master of Computer Applications

June 2022