SOUVIK MAJI

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Technical Experience

Languages:

Python, Golang, Java

Frameworks:

Flask, Streamlit, Spring Boot, Vertx, Spring Reactive, PySpark, GRPC, GraphQL, JUnit, PyTest

Databases:

Postgres, MySQL, MongoDB, Redis, DynamoDB, Redshift

Queues:

Kafka, SQS

Infrastructure:

AWS, Docker, Vault, Zookeeper, Consul, Heroku, Nomad, GCP, Jenkins, Kubernetes

ORM:

SQLAlchemy(Python),

Gorm, Mgo (Golang),

Hibernate, JPA (Java)

Other:

Microservices, Event Driven Architecture, Git, OOP, Restful web services

EDUCATION

Bachelor of Engineering

07/2013 - 05/2017

Jadavpur University, Kolkata, India

Computer Science and Engineering

SUMMARY

Experienced Senior Software Engineer with 7+ years in backend development for innovative startups, specializing in creating scalable systems and optimizing performance. Proficient in cloud services, API design, and data-driven development, with a proven ability to thrive in dynamic, fast-paced environments.

WORK EXPERIENCE

Senior SDE II at Fairmatic, Remote, 08/2022 - Present

‣ Designed and maintained a high-throughput backend on AWS, leveraging AWS Lambda, ECS, and Kafka on AWS MSK to process 75,000 events per hour, supporting critical insurance operations.

‣ Optimized data workflows with PySpark on AWS EMR, integrating processed data into Amazon Redshift for downstream analytics by Research and ML teams.

‣ Engineered a robust service monitoring infrastructure using StatsD, Prometheus, and Grafana, driving SLIs adherence and minimizing production downtimes.

‣ Developed a validation system for mobile SDK integrations with a pipeline to monitor and track SDK integration time, ensuring seamless integration.

‣ Introduced beacon scanning, vehicle management, and driver device health tracking systems, improving fleet tracking and management.

‣ Designed and implemented a scalable pipeline for NPS survey distribution and response tracking, to gauge user satisfaction metrics.

‣ Created a feature flag management system to streamline feature deployment and control.

‣ Set up a pipeline for automatic crash detection and notifications to fleet managers, reducing claim lag time by 30%.

‣ Contributed to the creation of a tag-based driver management system, increasing driver management and monitoring dashboard adoption by 12%.

‣ Developed an admin dashboard with Streamlit, supporting fleet and policy management and optimizing invoice distribution for enhanced operational efficiency.

Senior SDE at Razorpay, Remote, 12/2021 - 08/2022

‣ Spearheaded the design and deployment of scalable APIs for B2B export payment systems, leveraging cloud services to handle large-scale international transactions.

‣ Architected and implemented microservices for seamless integration with International Payment Service Providers (PSPs), enhancing system flexibility and reducing latency.

SDE II at Junglee Games, Bangalore, 12/2019 – 12/2021

‣ Acted as the primary owner of user profile and transaction management related Microservices created using Spring Boot.

‣ Created a new microservice for auto KYC verification of users, utilizing fuzzy name matching logic, reducing manual verification time by 35% and enhancing compliance.

‣ Designed and implemented a scalable solution to display live scores for sports matches in the Howzat app to boost customer engagement.

‣ Implemented a rule engine to parse human-readable rules and calculate cashback bonuses simplifying bonus management and calculations.

Product Engineer at Paypermint, Bangalore, 06/2017 – 11/2019

‣ Designed and implemented a GST-compliant invoicing solution for online merchants, customizable via public APIs and a dashboard portal.

‣ Developed a subscription management system for automated recurring payments, enabling merchants to manage their subscription plans and collect payment seamlessly.

‣ Applied Microservice Architecture with SQL & NoSQL databases and GRPC communication protocol to significantly boost system efficiency and scalability.

‣ Engineered and maintained public APIs and open-source API wrapper libraries in Java, Python, Go, NodeJs, and mobile SDKs like Android and Cordova.