SOUMALYA BHATTACHARYA

Fullstack Developer

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Kolkata, West Bengal, India | 8617882389

Possessing exceptional responsiveness and organizational abilities, I excel in delivering timely and accurate results. With a keen attention to detail, I ensure all tasks are completed with precision. My strong verbal communication skills foster effective collaboration and clear problem-solving skills

Work Experience

Jr. Software Engineer Sep 2023 - Present
Cognizant | Chennai

Next Trainee, Cognizant Apr 2023 - Jul 2023
GenC | Chennai

Application Development Lead, Google Developer Aug 2022 - Jun 2023
Student Club | Kolkata

- SKILLS
- Programming Languages :
- Java, JavaScript & TypeScript, C & C, Python
- Web Design and Frontend :
- HTML, CSS, JS, React, Angular, Bootstrap (HTML, React) , MUI (React) , Angular Material Components (Angular) , Signals,
- Ngx-Echarts & Apache E-Charts
- Backend :
- Spring Boot MVC, Spring Boot Rest API, Spring Security, Spring Batch, Spring Application Gateway, Eureka Server, Express
- JS.
- Project Management and Version Control :
- Git GitHub & stacked Diff Workflow
- DevOps Technologies :
- Docker Compose & Stack, Kubernetes
- Databases :
- MySQL, PostgreSQL, MongoDB

Projects

Custom Real time Monitoring & Telemetry System Mar 2024 - Present

The project I'm working on in my current role as a primary contributor involves building a custom real-time monitoring and telemetry system for a multinational insurance company. This core system handles a variety of claims and policies, some of which are critical, such as medical claims during emergencies, and some are non-critical, like new car insurance. Users can submit their documents through various channels, including email, phone, direct website/app upload, and in-person visits. These documents are then mapped to their respective policies and claims in the backend by the core system, which acts as a common downstream for all documents. It essentially functions as a supercharged multimedia storage database. One of the key challenges the team

face is the constant monitoring of the operational status of the multiple source systems that send data. If a failure is detected in any of these systems, it needs to be fixed as soon as possible. Each system has its own unique process and SLA for sending data, which adds to the complexity of failure detection. In the event of a failure of data processing in any of the real-time feeds, there is an SLA of 15 minutes from the time the problem has occurred to when the systems are back up and running. So, I am working on building a sleuth of applications that constantly monitor these feeds to check the status of the data being processed for all the real time feeds individually. Then render the data in easy-to-understand visualizations in a dashboard that support team can use to quickly identify the problem source and work on its redressal. So, whenever there is a spike in amount of unprocessed data or abnormally high failure rate my system comes handy to the team to identify the problem source and take actions on it. There are plans in future to extend the scope of my system to other batched source systems to decrease the efforts being put by the support teams on this type of problems and enhance overall client satisfaction.

Volunteer Experience

Application Development Lead Aug 2022 - Jul 2023
Google Developer Student Club - TMSL

Vice Head Jun 2020 - Nov 2021
Institution's Innovation Council

Core Skills

Designing Front end, Back end programming, Developing APIs, Javascript Frameworks, Web Applications, Batch Applications

Education

Techno Main Salt Lake Aug 2019 - Jun 2023

Bachelor of Engineering Electrical Engineering
GPA 8.98

Languages

English *(High)*, **Hindi** *(High)*, **Bengali** *(Native)*

Interests

Swimming, Coding, Music