

# Md Raihan Ahmed

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## Work Experience

### Juspay

Bangalore

PRODUCT ENGINEER

June 2023 - Current

- Engineered a location tracking service in Rust, achieving a 30% reduction in API latency and enhancing overall performance.
- Developed a session metrics library to trigger events to Kafka, facilitating A/B testing of applications and enhancing analytics capabilities and reducing system downtime by 15%.
- Conducted API profiling to identify bottlenecks causing high latency, optimizing performance through cached queries and database indexing, resulting in a 25% decrease in API response time.
- Deployed Pelias within Kubernetes, delivering a cost reduction of 40% compared to Google Maps, providing a robust open-source alternative.

### Juspay

Bangalore

PRODUCT ENGINEER INTERN

January 2023 - June 2023

- Worked on the development of the SOS feature, including the implementation of contact fetching and storage functionalities for emergency scenarios.
- Increased active drivers by 30% through the implementation of a driver location health check service utilizing Redis and Kafka.

## Projects

### Bits-Of-Code

Next.js, Node.js, Redux

COLLECTION OF BLOGS FOR DEVELOPERS

Github

- Crafted a single-page application with Next.js and Node.js to facilitate the sharing of development blogs.
- Implemented static site generation for accelerated load times and increased efficiency.
- Leveraged Firebase for user authentication and data storage, alongside SWR for efficient data fetching.
- [blogs.soumyajit.tech](#)

### Chatify

React.js, Firebase

REAL TIME CHAT APPLICATION

Github

- Developed a personalized chat room similar to Discord, facilitating resource sharing and engaging in lively conversations with friends employing React.js and Firebase technologies.
- [chatify.soumyajit.tech](#)

## Technical Skills

### Strongest Areas

Data Structures, Algorithms

### Programming Languages

C/C++, Javascript, Haskell, Rust, Python

### Libraries/Frameworks

React.js, Express.js, Next.js, Typescript, Webpack, Git, Node.js, Redis, Kafka, Kubernetes, Docker, HTML5, CSS3

### Database

MongoDB, Firebase, PostgreSQL

### Platforms

AWS, Vercel, Heroku

## Education

### Birla Institute of Technology

Ranchi, India

IMSC IN MATHEMATICS AND COMPUTING

June 2018 - May 2023

- 8.04/10

## Publications

An overlapping sliding window and combined features based emotion recognition system for EEG

signals Shruti Garg, Soumyajit Behera, Rahul Kumar Patro, Neha Prerna Tigga

Applied Computing and Informatics (2021)

.DOI: 10.1108/ACI-05-2021-0130

2021