Soumyajit **Behera**

*Bhubaneswar, India*

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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.

**Rocketium** *Remote*

SOFTWARE ENGiNEER INTERN *May 2022‑ July 2022*

* Collaborated on redesigning Rocketium’s design editor, constructed with React.js and Typescript, to optimize user experience and usability.
* Transformed designs and wireframes into a seamlessly responsive user interface.
* Introduced new components that not only improved the editor’s functionality but also drove an increase in website traffic.

# Projects

**Bits‑Of‑Code** *Next.js, Node.js, Redux*

COLLECTiON OF BLOGS FOR DEVELOPERS [*Github*](https://github.com/soumyajit4419/Bits-0f-C0de)

* 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**](https://soumyajitblogs.vercel.app/)

**Chatify** *React.js, Firebase*

REALTiME CHAT APPLiCATiON [*Github*](https://github.com/soumyajit4419/Chatify)

* 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**](https://chatifynew.vercel.app/)

# 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](https://doi.org/10.1108/ACI-05-2021-0130) 2021

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