David **Lamos**

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*

- 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*
REALTIME 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