

SOURISH SARMAH

EXPERIENCE

Tailorbird

(Remote) INDIA

Senior Software Engineer

Sept 2023 – Present

- Led the development and maintenance of the **RFP (Request for Proposal) portal**, a critical platform facilitating **end-to-end bidding process** for Construction Contractors.
- Enhanced system performance and scalability by **optimizing database** queries and indexes, resulting in improved API responsiveness and overall platform efficiency.
- Spearheaded the automation initiative by leveraging **OpenAI's ChatGPT API** for automatic generation and rephrasing of instructions for users (contractors).
- Collaborated cross-functionally with Product Management, Design, and Quality Assurance teams to align development efforts with business objectives and user needs.
- Actively participated in code reviews, providing constructive feedback and implementing best practices to maintain code quality and ensure long-term maintainability of the platform.

Biofourmis

Bangalore, INDIA

Software Engineer

March 2022 – July 2023

- Built a **serverless architecture** to sync mission-critical medical data using **AWS Lambda** along with API Gateway, and AWS Serverless Application Model(SAM) for infrastructure.
- Implemented **Redis-based caching** to optimize the performance of systems accessing frequently used data and effectively reduced the **system's latency by 25 times**.
- **Optimized database design** and indexes in **PostgreSQL Timescale** database, resulting in **60 to 90 times better query performance**.
- Optimized a microservice by migrating its code base from Python to **Golang**, resulting in **20 times faster API responses** and better load handling.

Inviz AI

Bangalore, INDIA

Software Development Engineer

July 2020 – March 2022

- Built a **microservice for sending notifications** to the user interface using **socket.io** which consumes messages from a message queue and pushes notifications to the user interface using socket connections.
- Implemented a resilient **asynchronous data export** feature to export **large-scale data** from the database to cloud storage in different file formats using **multipart upload**.
- Implemented and Integrated a custom ML model training functionality for **Loopr** through a robust **MLOps pipeline** using **Azure ML Studio**, which enabled the platform to streamline the training of labeled data generated on the platform.
- Led the backend development of a retail application for end-to-end goods ordering and shipment tracking. Built a backend server using **Django** and also implemented **PostgreSQL Full-Text Search**.
- Built **data platform and ETL pipelines** for **TataCliq**, one of India's leading online marketplace and also engineered datasets to power multiple machine learning models using **AWS Glue**.

SKILLS

Languages: Python, Golang, C/C++, SQL/NoSQL, Java, JavaScript

Frameworks/Tools: FastAPI, Flask, Django, PySpark, NodeJs, SocketIO, Kafka, RabbitMQ, Git, Docker

Databases: PostgreSQL, MongoDB, DynamoDB, Redshift, MySQL, Redis

Cloud Services: AWS (EC2, Lambda, S3, Glue,, Athena), Azure (AzureML), GCP.

EDUCATION

Tezpur University

Tezpur, INDIA

Bachelor of Technology (Computer Science and Engineering)

2020

- Cumulative GPA: **8.3/10**
- *Relevant courses with Outstanding grades-* Introductory Computing, Data Structures, Design and Analysis of Algorithms and Object-Oriented Programming.

ACHIEVEMENTS

- Selected among the top 55 Teams in Hack in the North 4.0 hackathon held in IIIT Allahabad.
- Selected among the top 50 Finalist teams in Hack-a-Bit,2018 hackathon held in BIT, Mesra.
- 9th rank in the North-East Region in the 2nd level International Mathematics Olympiad 2016.