

# BISWARUP SEN

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**Github:** <https://github.com/bsen/>

**Website:** <https://www.bsen.tech/>

I am a backend developer with experience in DevOps, system designing, with additional experience in mern stack and frontend development.

## EDUCATION

September 2022 June 2024

Bachelor of Technology in Information Technology (Dropout, 2nd Year) Vellore Institute of Technology  
Vellore

## WORK EXPERIENCE

### Fullstack Developer, Webkites Websolutions Private Limited

June 2024

Developed the frontend portal for Yogasana Bharat and the World Yogasana Federation, handling backend logic and the admin side for registering users and managing their data, utilizing AWS for cloud services.

## STARTUP EXPERIENCE

April 2023 April 2024

### Algabay AI Private Limited <https://www.algabay.com/>

At Algabay, we build blockchain and backend solutions for startups. As the founder, I lead the technical team and focus primarily on backend development and architecture design.

## TECHNICAL PROJECTS

### kribble, 200+ users <https://www.kribble.net>

March 2024 June 2024 (launch)

A social platform for college students to share and stream video and images. The social platform has a monolithic backend that originally used Hono.js and Cloudflare but later switched to Express.js and AWS for better cost efficiency. Media files are stored in S3 for scalable storage, while CloudFront helps deliver these files quickly. Switching to Express.js and AWS improved performance and reduced costs by taking advantage of AWS's powerful infrastructure. July 2024

### CEX(centralized exchange server

The centralized exchange platform was built using Node.js for efficient backend handling, PostgreSQL for reliable transaction management, and Redis for fast data retrieval. This setup ensures high availability, low latency, and secure transactions.

### StockIt, 1200+ users <https://stockit.algabay.com/>

September 2023 December 2023 (launch)

At StockIt, I've developed an advanced stock analysis platform using Next.js for the frontend and Node.js for a news server. By fetching multiple free APIs locally every hour and storing data in MongoDB to reduce API costs.

## TECHNICAL SKILLS

Frontend Development: React (Hooks, Context API), React Native, Next.js

Backend Development: Node.js, Express.js, Hono.js

Blockchain Development: Solidity (for smart contracts)

Databases: PostgreSQL, MongoDB, Prisma ORM (including database pooling)

Cloud Services: AWS (EC2, S3, Lambda, RDS), Kubernetes, Cloudflare Workers, Vercel

Containerization: Docker

Version Control: Git, GitHub

API Development: RESTful APIs, GraphQL

DevOps Practices: CI/CD pipelines

Serverless Architecture, Redis, System Design, WebRTC