

Debasish Biswas

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EDUCATION

Master's of Computer Application (MCA), NIT Jamshedpur

CGPA: 8.0 2021- Present

Bachelor of Science in Computer Science(B.Sc. Honours), Siliguri College (NBU)

CGPA: 8.7 2018-21

OpenSource EXPERIENCE & Contributions

Google Summer of Code 2023

May'23 - Present

Knative under CNCF

[eventing-kafka-broker/Issue #2928](#)

- Implement Knative Kafka Broker data-plane communication with the **Apache Kafka client** and Vert.x Kafka client library.
- Develop the solution using **Java 20** and leverage the new features specifically **Virtual Threads(Loom)**, for efficient and concurrent communication with the Apache Kafka cluster. That can lead to increasing the performance of the system.
- Collaborate with a team of developers to deliver high-quality code contributions.

TechStack learned & use: JAVA 20, Vert.x, Kubernetes, Apache Kafka, Bash Scripting, GoLang.

The/Algorithms

- Contributor and Maintainer of the [JAVA repository of The/Algorithms](#) project that has more than 50k+ ★ GitHub.

SKILLS

- **Programming Language:** Java (proficient), GoLang, Python, JavaScript, TypeScript & Bash script.
- **DevOps Tools:** Git(VCS), Docker, GitHub-Actions, Kubernetes | **Database:** MySQL, MongoDB
- **OS:** Linux(Ubuntu), Windows | **IT Constructs:** OPPTS, DBMS, Computer Networks
- **Interpersonal Skills:** Teamwork, Effective Communication, Positive Attitude.

PROJECTS

Question Book [ExpressJS, MySQL, TypeScript, GitHub-Actions]

github.com/debasishbsws/question-book

- Designed and developed a high-performance Node.js Backend Rest API, enabling seamless access to University Info & Question Papers stored in a public GitHub repository.
- Implementing **Continuous Integration** to automatically update the database for every Pull Request that adds new question papers to the repository.
- I automated the Build and Testing of the code and also the Docker image creation process, ensuring smooth integration.

My Portfolio [NodeJS, GitHub-Actions, Docker, Cloud, Kubernetes]

github.com/debasishbsws/debasishbsws-portfolio

- Developed and deployed a Node.js Website, implementing a streamlined CI/CD pipeline using GitHub Actions. Reduced management time by automating testing, image creation, and pushing to the DockerHub registry, resulting in significant time savings and improved efficiency.
- Deploy the application on a **Google Kubernetes Engine (GKE)** cluster for seamless scalability and efficient management.

CERTIFICATIONS and BADGES

[Deploy to Kubernetes in Google Cloud - Google Cloud](#)

[Deploy and Manage Cloud Environments with Google Cloud - Google Cloud](#)

[Complete Web Development - Udemy](#)

EXTRACURRICULAR

Photography:

- A landscape photographer by passion. [Instagram/@debasishbsws](#)
- Actively sharing insights and guiding photographers as a member and instructor of the NITJSR Photography Club, Phocus.

Music:

- I have learned and played Guitar almost for more than 5 years. Also, taught free guitar classes in our local club.
- Found a local band with fellow music lovers and had a YouTube Channel with 14K subscribers.