Sourav Nandi

Senior Systems Engineer

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Backend Developer with 3+ years of experience in building scalable microservices and RESTful APIs using Java and Spring Boot. Skilled in delivering efficient, maintainable solutions and resolving complex backend issues in Agile environments.

WORK EXPERIENCE

Infosys Limited | Senior System Engineer — Jun 2022 - Present

Dataways (Logistics Shipping Company)

- Developed the 'Cargo-Selection' module from scratch, handling cargo journeys and bookings.
- Designed and implemented a scalable microservice architecture using Java and Spring Boot.
- Collaborated with architects and cross-functional teams to gather and refine technical requirements.
- Utilized REST APIs and AWS services to enhance reliability, scalability, and efficiency.
- Delivered high-quality, production-ready code within Agile development cycles.
- Improved system integration and performance by applying industry best practices.

SKILLS

Language:	Java
Frameworks:	Spring Boot, Hibernate, JPA, JDBC, Mockito, Junit
Tools:	Maven, SonarQube, Swagger, Jira
Databases:	PostgreSQL
DevOps (CI/CD):	Jenkins, GitLab
IDE:	Spring Tool Suite, IntelliJ IDEA, VS Code
Web Technology:	HTML, CSS, JavaScript
Cloud:	Azure

EDUCATION

Jalpaiguri Government Engineering College, Jalpaiguri

Bachelor of Technology (ECE) - 7.3 CGPA — Aug 2017 - July 2021

PROJECTS

WIRELESS MASK DETECTION WITH DRONE FOR SURVEILLANCE | LINK

Mask Detection project uses a computer vision algorithm to detect if a person is wearing a face mask while acquiring and analyzing face data before access granted.
Technology used – PYTHON, Open CV, MATLAB

FIND DFT AND DTFT

The objective of the project was to record the sound of a stone dropped in water and find the frequency which caused had the maximum amplitude. For this, I used the principle of DTFT to process the signal to the frequency domain and found the most dominant frequency in MATLAB.
Technology used – MATLAB

CERTIFICATIONS

Microsoft Certified AZ-900 | CERTIFICATE
Infosys Certified Spring Associate
Infosys Certified Java SE8 Developer