



MD. SHAZAN MAHMUD ARPON

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GitHub: <https://github.com/arpondark>

Portfolio: <https://shazan.site>

LeetCode: <https://leetcode.com/u/arpn007>

SUMMARY

Computer Science & Engineering student focused on Java development with strong experience in Spring Boot. I build scalable backend systems using microservices architecture and event-driven design. Skilled in creating REST APIs, working with databases (MySQL, PostgreSQL, MongoDB), and building real-world applications. Also familiar with React and Node.js, but mainly focused on backend engineering and system design with Java.

EXPERIENCE

Java-focused Developer with 2+ years of experience working on local client projects, including UIU Robotics Club, as well as multiple personal projects. Experienced in building and maintaining backend systems and APIs using Spring Boot. Skilled in handling client requirements, designing scalable systems using microservices architecture and event-driven patterns, and managing basic server-side deployments. Also explored AI integration using Spring AI to build intelligent and scalable backend applications.

SOFTWARE FRAMEWORKS & TECHNOLOGIES (PRIMARY)

Frontend Frameworks

- React.js
- Next.js

Backend Frameworks

- Spring Boot
- Node.js & Express.js

Databases

- MySQL
- PostgreSQL
- MongoDB
- Firebase (Firestore, Realtime DB)

Programming Languages

- Java
- JavaScript/ TypeScript
- Python
- C / C++
- PHP

DevOps, Cloud & Deployment

- Docker
- Heroku
- AWS
- Vercel
- Git & GitHub Actions
- Linux Server Management
- Postman (API testing & debugging)

Cloud, Data & Storage Technologies

- Object Storage Concepts (bucket-based storage, metadata, access policies)
- MinIO (S3-compatible object storage)
- AWS S3 (Conceptual & Compatible APIs)
- Elasticsearch (search, indexing, analytics)
- Redis (in-memory cache, key-value store)

AI & API Integration

- Courier & logistics APIs
- bKash payment gateway integration
- AI APIs via REST
- YOLO-based object detection
- AI-driven IoT automation
- OpenAI, DeepSeek, GLM, Gemini, Claude, OpenRouter APIs

EDUCATION

Bachelor of Science in Computer Science & Engineering (BSc in CSE)

United International University (UIU), Dhaka, Bangladesh

CGPA:3.25 || Completed Credits:71 (out of 138)

Current Trimester: 7th | Expected Graduation: 2027 Summer

PROJECTS

Microservice:

1. Microservice LMS System

- Spring Boot microservices with Eureka and API Gateway
- Event-driven communication using Kafka/RabbitMQ
- Used MinIO for object storage
- github.com/arpondark/microservice-lms-system-springboot

2. E-commerce Microservice System

- User, Product, Order, Payment services
- Event-driven architecture using Kafka/RabbitMQ
- Service discovery with Eureka and routing via Gateway
- github.com/arpondark/ecommerce-spring-boot-micro-service

3. Netflix Clone (Microservices)

- Scalable backend using microservices architecture
- Async communication using Kafka/RabbitMQ
- Service registry and API Gateway used
- github.com/arpondark/netflix-clone-microservice-spring-boot

4. Fitness Microservice System

- Modular microservices with event-driven design
- Real-time updates using Kafka/RabbitMQ
- Eureka used for service discovery
- github.com/arpondark/microservice-spring-boot-fitness

MONOLITHIC:

1. E-commerce Backend

- Built REST APIs for product, order, and user management
- Integrated payment system and authentication
- github.com/arpondark/EcommerceProject-backend-Spring-boot.git

2. Restaurant Review System

- Developed APIs for reviews, ratings, and user management
- github.com/arpondark/restrudent-review-system-spring-boot

3. URL Shortener

- REST API for generating and resolving short URLs
- Optimized database for fast lookup
- github.com/arpondark/url-shortner-spring-boot

4. FullStack Auth System

- JWT-based authentication and role-based authorization
- github.com/arpondark/fullstackauth-system-springboot

REFERENCE

Mr. Md. Tarek Hasan

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