

Md Hashibul Islam

📞 (+88) 01960174282 ✉️ ihashib2@gmail.com 💻 ihashib.github.io 🔗 linkedin.com/in/ihashib 🐙 github.com/ihashib

Experience

Metlife Bangladesh (Consultant via ADN Diginet)

July 2026 – Present

Software Engineer

Dhaka, Bangladesh

- Developing secure microservices using Java, Spring Boot, MSSQL and MS Azure for the MyLife by Metlife project, a platform that brings all the tools for sales and sales support together.
- Maintaining strict API compliance, unit-testing, SonarQube, CI-CD pipelines within an Agile environment.
- **Service360 Module**
 - * Designed a generalized database for the Service360 module, enabling all upcoming business needs.
 - * Wrote complex DB queries to modify existing Service360 database tables to apply the new generalized DB schema while keeping existing table relations and cardinalities intact.
 - * Developed the end-to-end certificate request feature across both front-office and back-office portals.
 - * Implemented a Maker-Checker (four-eyes principle) approval workflow to meet fin-tech audit requirements.

Nasir Syntax Solution - Nasir Group

July 2024 – June 2026

Software Engineer

Dhaka, Bangladesh

- Contributing as a **backend Java developer** in building Nasir group's software platforms.
- **Order Management Service**
 - * Designed and implemented an end-to-end **order fulfillment pipeline** covering add-to-cart, checkout, order placement, per-seller order splitting, and seller-level order receipt with multi-step order/package statuses.
 - * Built a flexible **packaging and delivery system** that creates packages with multiple product parts, manages package requests for pickup/drop-off, and records package journey stages to track every package.
 - * Implemented a **inventory reservation** and product management, a two-way seller and hub handshake, and status-transition validation with rollback to ensure data integrity across complex seller, hub, and delivery workflows.
- **Price Engine Service**
 - * Built a **Price Engine** using Java CompletableFuture to fetch and compute product and service pricing in parallel (base price, campaigns, promo codes, shipping).
 - * Designed a **modular and extensible calculation pipeline** separating product and service pricing and supporting multiple campaigns.
- **Platform Configuration Service**
 - * Developed a versioned **dynamic template engine** for users to customize home, seller, and campaign pages with marketplace integration.
 - * Built a **policy-making** module allowing version-controlled creation of platform policies like warranty, return/refund, and cancellation.
 - * Implemented **inter-service APIs and configuration layers** for microservices like ItemPool, Shelf, and Tag to enable dynamic content composition and rendering.
- **Shop Service**
 - * Built the **Shop Service module** enabling sellers to add and manage services in their shops, including service registration, category management, service calendar and service location management.
 - * Developed the **Bid Request system** allowing buyers to create multi-category service requests, where sellers can bid per category with validation to prevent duplicate bids and support multiple sellers per category.
 - * Integrated **service campaigns and fulfillment**, extended campaign logic to services and connected bids to contracts, checkout/payment and Delivery module workflows for end-to-end service lifecycle management.
- **User Management Service**
 - * Implemented a **role-based authorization system** integrating user roles, role groups, and permissions for access control.
 - * Developed **user registration**, account, and login modules for user and role management.

Daraz Bangladesh – Alibaba Group

Jan 2023 – Mar 2024

Software Engineer

Dhaka, Bangladesh

- Actively developed microservices using Java and Spring Boot.
- **Open Daraz**
 - * Built an **HMAC-SHA256-based authentication SDK** to enable secure third-party integration with Daraz APIs.
 - * Implemented an **OAuth2-based authorization** service for external developers and partners.
 - * Thoroughly tested and documented Open Daraz APIs using Postman to ensure reliability and ease of adoption.
- **Third Party Logistics (TPL)**
 - * Developed and maintained a Spring-based **logistics integration module** serving **20+** partners across 4 Asian countries.
 - * Implemented a **location management system** to support efficient tracking and operations with partners.
 - * Developed and maintained **order pipelines and tracking** for logistics partners.
 - * Utilized **Alibaba SLS** to actively monitor, analyze, and report on application logs and system performance.
- Developed a **Python OpenCV and deep learning-based image processing application** for the graphics team.
- Collaborated with a cross-functional team of 7 engineers and PMs from Lazada using agile methodologies.

AquaLink Bangladesh - Jamil Group

Aug 2021 – Dec 2022

Embedded Software Engineer

Dhaka, Bangladesh

- Developed software for IoT systems with **STM32, AVR, and ESP32 microcontrollers** using C/C++.
- Written **several libraries for STM32** including MODBUS/RS485 and ST7567 display module.
- Interfaced sensors using **MODBUS, I2C, and UART** protocols.
- Designed and implemented **custom GUIs for ST7567** 5-inch displays using baremetal C.
- Performed **R&D for new embedded systems and sensors**; continuously tested firmware and hardware for quality assurance.

Education

BRAC University

2021

Bachelor of Science in Computer Science and Engineering (CGPA: 3.54 / 4.00)

Dhaka, Bangladesh

Technical Skills

Languages:	Java(primary), Javascript, Typescript, Embedded C
Backend:	Spring framework, JHipster, GraphQL, gRPC, WebRTC, websocket, REST API, RabbitMQ, Kafka, Redis, Concurrency, Multithreading
Frontend:	ReactJs, HTML, CSS, Bootstrap
Database:	MSSQL, PostgreSQL, MongoDB, MySQL, Hibernate, MongoTemplate
Cloud & DevOps	Azure, AWS, Digital Ocean, git, docker, Linux, CI/CD Pipelines, Nginx
Tools:	Gradle, Maven, Postman, Swagger/OpenAPI, Auzre Boards, Jira, Agile/Scrum

Projects

Free-Flying Robot Control Software (Astrobee) | Java, Python OpenCV-Contrib, ROS Kinetic, RViz, Docker, Git

- Developed control and navigation software for NASA's Astrobee robot used aboard the International Space Station.
- Implemented pose estimation using QR/AR tag detection with OpenCV-Contrib and visualized robot motion in RViz.

Kolom News Platform | Java, Spring Boot, JHipster, Node.js, RabbitMQ, Redis, PostgreSQL, Docker, Git

- Developing microservices for cataloging, delivery, and authentication, routed via gateway with Redis caching.
- Enabled asynchronous event-driven communication with RabbitMQ for decoupled service interaction.

Awards

Runner-up, KIBO Robot Programming Challenge, JAXA, Japan

2021

Third Place, University Rover Challenge, The Mars Society, USA

2020