ABRAR HOSSAIN

Software Developer (Java, Spring Boot)

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📍 Block: C, Road No: 7, Bashundhara R/A

EDUCATION

Master's of Science (M.Sc.) in Computer Science & Engineering
North South University
2023 - Present

Bachelor of Science (B.Sc.) Honours in Computer Science & Engineering
BGC Trust University Bangladesh
2019 - 2022

Higher School Certificate (H.S.C)
Patia Government College
2016 - 2018

Secondary School Certificate (S.S.C)
Patia Adarsha High School
2011 - 2016

SKILLS

Programming Languages :
- Java (Core & Advanced), SQL

Frameworks & Libraries :
- Spring Boot, Spring MVC, Spring Security, Hibernate/JPA, Apache Maven

Databases :
- PostgreSQL, MySQL, SQL Server

Backend Development :
- RESTful API Development, Microservices Architecture

ABOUT ME

Java Spring Boot Developer with strong experience in backend development, RESTful APIs, and database management using Spring Boot, Hibernate, and PostgreSQL. Skilled in microservices architecture and modern tools like Git, Jira, Kafka, Elasticsearch, Kibana, and Grafana for efficient development and system monitoring. Thrive in Agile teams, focused on delivering secure, scalable software solutions that align with business goals.

WORK EXPERIENCE

Junior Java Developer
ATI Limited   August 2025 - Present

Architected resilient backend ecosystems with Java, Spring Boot, and PostgreSQL powering secure APIs, intelligent data flow, and seamless integrations while driving Agile collaboration to transform business needs into scalable software solutions.

- **Website of Bangladesh Maritime University**

Junior Software Engineer
DataHome Limited   March 2025 - July 2025

Collaborated in Agile teams to deliver backend solutions with Java and PostgreSQL, focusing on security, scalability, system reliability, and process optimization.

- **Board Meeting Management System**

Software Developer (TAO)
First Security Islami Bank PLC   March 2024 - January 2025

Built and optimized backend systems with efficient data processing, fine-tuned database performance, and approval workflows, delivering scalable and secure applications for improved operational efficiency.

- **FSIB ERP (সংকলন)**

Trainee Software Engineer
Alchemy Software Limited   August 2022 - February 2024

Developed scalable backend systems with Java & Spring Boot, built secure RESTful APIs, integrated databases using JPA/Hibernate, and maintained code quality through Agile collaboration, code reviews, and debugging.

- **School Management System**

Frontend Development :

- HTML, CSS, React

Tools & Platforms :

- Git, Jira, Kibana, Grafana, Elasticsearch, Apache Kafka

LANGUAGES

- Native Bengali
- Advance English
- Basic French

STRENGTH

- Adaptation ability with any situation.
- Hard working habit.
- Sharp sense of social responsibility.

REFERENCES

- **Dr. Moshreka Aditi Huq**
  Associate Professor, Department of Anthropology, Faculty of Social Sciences, University of Chittagong.
  Phone: 01759-199503

- **Mohammad Rabiul Hossain**
  Union Land Sub Assistant Officer (40 BCS Non-Cadre).
  Phone: 01976-157099

RESEARCH PUBLICATIONS

Journal Articles :

- **"A SMART SEMI-AUTONOMOUS FIRE EXTINGUISH QUADCOPTER: FUTURE OF BANGLADESH"**

- **"IoT Based Low-Cost System for Monitoring Water Quality of Karnaphuli River to Save the Ecosystem in Real-Time Environment"**

- **"An IoT Based Analytical System to Predict the Condition of an Emergency Patient"**

- **"Bulletin of International Online Round Table Discussion on Definition of Development"**

- **"A Research-Driven User Interface to Connect Customers with Illiterate and Semi-Literate Skilled Plumbing and Electrical Service Providers"**

Books/Book Chapters :

- **"Cloud-Based Smart Parking Systems Using IoT"**
  In: Applied Informatics for Industry 4.0, Taylor & Francis.

- **"Chronic Kidney Disease (CKD) Prediction Using Data Mining Techniques"**
  In: Intelligent Computing and Optimization, Springer, February 2021, Pages 976–988.

- **"Belief Rule-Based Expert System to Identify the Crime Zones"**
  In: Intelligent Computing and Optimization, Springer, February 2020, Pages 237–249.

ACHIEVEMENTS

- Selected in the **Top 100 Best Ideas** of the **Mujib 100 Idea Contest 2021** for the innovative project "Real-Time River Water Monitoring to Protect Fish from Alarming Pollution."

- Honored with a Certificate of Appreciation for presenting at the **3rd International Conference on Intelligent Computing & Optimization (ICO 2020)**, recognizing impactful research contributions in the field of intelligent computing.

- Certified in an intensive Robotics Training Course at **Japan-Bangladesh Robotics and Advanced Technology Research Center**, gaining expertise in advanced robotics systems.

- Honored with a certificate for the successful publication of "**An IoT Based Analytical System to Predict the Condition of an Emergency Patient**".