

# Md. Hossain

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## SUMMARY

Java / Spring Boot Developer with 1+ year of professional experience designing, developing, and maintaining production-grade web applications. Strong experience in RESTful API development, Spring Boot, SQL databases, and Git-based collaboration. Hands-on experience deploying Spring Boot applications on Linux VPS using Docker. Comfortable working independently and in team environments.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript

**Backend:** Spring Boot, Spring MVC, Spring Data JPA, REST APIs

**Databases:** MySQL, PostgreSQL

**Frontend:** HTML, CSS, JavaScript, React

**DevOps / Deployment:** Linux, Docker, VPS deployment (hands-on), basic AWS exposure

**Tools:** Git, GitHub, Kafka

**Concepts:** Transactions, Indexing, RBAC, JWT/Auth, API Design, OOP, Data Structures

## PROFESSIONAL EXPERIENCE

### Backend Developer

**Brinkliff Immigration Services** — Nepean, Ontario, Canada (Remote)

**Duration:** 1 Year

- Designed, developed, and maintained **10+ RESTful APIs** using **Java and Spring Boot** in a production environment
- Implemented **clean, scalable, and maintainable backend logic**, following best practices and code reviews
- Built **dynamic PDF generation** modules with conditional logic, custom layouts, and automated email delivery
- Developed **calendar booking and slot management systems**, handling validation, concurrency, and business rules
- Worked extensively with **MySQL/PostgreSQL**, implementing **transactions, constraints, and indexing** to optimize performance
- Implemented **authentication and role-based access control** using **Keycloak**
- Integrated **Kafka-based notification services**
- Used **Git** for version control and collaborated with distributed team members
- Assisted with **frontend integration** (HTML, CSS, JavaScript) for feature completion
- Deployed and managed backend services on **Linux servers / VPS environments**

## PROJECTS

### Scale — Web-based Measurement Tool (JavaScript) [[GitHub](#)] [[Demo PC](#)] [[Demo Phone](#)]

- Web tool for measuring lengths, radii, and angles from mechanical part images with image calibration
- Built separate Phone/Desktop versions optimized for touch and mouse
- Focused on precision, usability, and performance in browser-based measurement workflows

### Social Media Platform (Full-stack) [[Github](#)]

- Built scalable social media app with Spring Boot backend and React + TypeScript frontend
- Implemented JWT authentication, real-time messaging with WebSocket, and REST APIs for posts/comments/likes
- Emphasized backend scalability, concurrency, and clean API contracts

## EDUCATION

### Bangladesh University of Engineering and Technology (BUET), Dhaka-1000

BSc in Mechanical Engineering

*January 2022 – September 2026 (Expected)*

## STRENGTHS

- Strong **problem-solving** ability
- Comfortable working **independently and in teams**
- Clear communication in remote environments
- Ownership mindset from development to deployment

## TARGET ROLE

Java / Spring Boot Developer | Full-Stack (Backend-Focused)

## REFERENCES

Available upon request