

MD SHARIOR HOSSAIN FARHAN

SOFTWARE ENGINEER

CONTACT

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SKILLS

Java, Reactive programming, Python, JavaScript
Springboot, JSP Servlet, FastAPI, Django, Node.js
Bootstrap, HTML/CSS, React
MySQL, Oracle, MongoDB, Hibernate, DynamoDB
Git, CLI, Jenkins, Docker, Jira
Linux & Windows

PLATFORM AND MISC

IntelliJ idea, PyCharm IDE, Jupyter Notebook,
Eclipse, VS code, Data Grip.

PROBLEM SOLVING

Leetcode 
Beecrowd 

EDUCATION

Brac University
B.Sc. in Computer Science & Engineering
CGPA: 3.83 2018-2022

ACHIEVEMENTS

- Champion at 2nd **National CanSat Competition 2020**, Bangladesh.
- Champion at project showcasing **Robotronics 2019 at RUET**.
- 2nd runners-up at project showcasing **Bit Fest 2019 at KUET**.
- BRAC University Merit-Based Scholarship from October 2020.

LANGUAGES

Fluent in English and native in Bangla.

EXTRACURRICULAR ACTIVITIES

- Former Senior Executive, R&D department, Brac University, EEE club.
- Former Apprentice in the Robotics Club of Brac University.

PROFILE

A driven engineering graduate from BRAC University with a passion for programming and continuous learning of emerging technologies. Proficient in backend web development. Currently working as an Augmented Software Engineer at bKash through Exabyting, contributing to the modernization and development of large-scale enterprise applications.

WORK EXPERIENCE

Software Engineer

Software Engineer (via Exabyting, embedded in bKash R&E Team) February 2025 - Present

- Augmented Software Engineer at bKash, Research & Engineering team.
- Built and deployed a robust backend microservice that enabled scalable, high-performance delivery of mobile financial services to an application of 82 million users.
- Upgrade legacy applications from Java 7 to newer versions to improve performance and enable integration with modern frameworks and tools.
- Diagnosed and resolved production issues, delivering efficient and reliable solutions under tight timelines.
- Performance engineering optimising an efficient API's up to 86% improvement.

Assistant Software Engineer

Dynamic Solution Innovators Ltd - DSI. December 2022–January 2025

- Working on SaaS applications, debugging microservices and monolithic applications.
- Implemented 25+ APIs for microservices and engineered applications with event-driven architecture.
- Investigating the root cause of application errors by analyzing logs, error messages, and system behavior, followed by code optimization to improve the system.
- Using suitable tools, monitor application server health and performance and apply proactive efforts to avoid and mitigate possible problems.
- Working remotely with US clients, collaborating with development, infrastructure, and operations teams to identify and resolve infrastructure-related issues affecting application performance.
- Build, maintain, and have ownership of codebases in Spring-Boot, ensuring efficiency, scalability, and reliability.

Projects

Batch Download

- Developed a microservice for asynchronous PDF batch downloads on the electronic statement vending platform.
- Improved performance by 94%, resulting in a 99% reduction in failed batch jobs.
- Implemented Spring Scheduler, multiple producer and consumer models, various retry logics, and utilized MongoDB as the primary database.

Targeted marketing service

- CRUD application for admins to target audience.
- Based on selected criteria, marketing flyers will be distributed via an automated printer.
- Used rest client for service-to-service communication and AOP for logging.
- Utilized Hibernates auditing mechanism for tracking changes.

Support Assist

- Developed a dashboard to streamline support-related tasks, reducing task time by 40%.
- Integrated connections to three different databases and interacted with multiple microservices.

Processing UI

- An ETL tool for data dumping into the database.
- Generating scheduled reports

E-commerce websites

- Worked on both front-end and back-end development.
- Implemented AJAX searching, CRUD operations, an SMTP notification system, and a job queue for email latency handling.

Other projects

- Developed a REST-API-based e-commerce backend using Spring Boot. 
- Created an SSO-based authentication system using Spring Boot and Keycloak. 
- Webhook testing Application 