

# SAMIUL MUSHFIK

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## OBJECTIVE

Seeking a software engineering internship to contribute to innovative projects and enhance my technical and professional skills.

## SKILLS

<b>Programming Languages</b>	Java, Python, JavaScript, Typescript, C/C++, HTML, CSS, SQL, Bash, GraphQL
<b>Frameworks and Libraries</b>	Apache Camel, Spring Boot, Nodejs, React Native, React, jQuery, Redux, Flutter, Spring Data JPA, JUnit, Mockito, Jest, Jasmine, Scikit-learn, Pandas, Numpy
<b>Database and Caching</b>	Oracle, PostgreSQL, Redis, MariaDB
<b>Tools</b>	Nginx, Jenkins, Makefile, Gradle, Git, Kafka, Kibana, GitHub Actions, Jira

## EDUCATION

<b>University of Minnesota-Duluth</b>	Duluth, MN
Master of Science in Computer Science	Aug 2023 - May 2025
Relevant Coursework: Database Management Systems, Machine Learning and Data Mining, Parallel Programming, Mobile User Experience and Design	
<b>Bangladesh University of Engineering and Technology</b>	Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering	Feb 2015 - Apr 2019
Relevant Coursework: Software Engineering, Data Structures and Algorithms, Artificial Intelligence, Computer Networks	

## EXPERIENCE

<b>Stibo DX</b>	Dhaka, Bangladesh
Software Engineer	Aug 2022 - Aug 2023

- Reduced local development overhead by 67% with makefile commands, backed by comprehensive documentation.
- Implemented unit tests (Jasmine, Nodejs, Javascript, Typescript, GraphQL) that reduced bug reports by 30%.
- Presented monthly team project updates at company-wide developers' meetings to ensure transparency and enhance project communication.
- Fostered a collaborative environment by leading weekly code review sessions, resulting in a 25% performance improvement.

<b>Kona Software Lab Ltd.</b>	Dhaka, Bangladesh
Engineer Level-2	May 2019 - Jul 2022

- Boosted application scalability and stability, reaching from 0 to 2M concurrent users deployed on Linux servers.
- Developed scalable real-time notification feature with 70% faster response time using WebSocket, React, Redis and Nginx.
- Mentored 2 junior colleagues, facilitating their professional development.

Engineer Level-1

- Built a hybrid machine learning model using Python, Scikit-learn, Pandas, and Numpy for data analysis, improving customer retention by 20%.
- Improved RESTful API performance by 25% for a microservice (Spring Boot, Flask, MariaDB).
- Streamlined deployment with CI/CD pipeline (GitHub Actions), enabling a 50% faster testing and deployment process.
- Developed dynamic frontend components using React, jQuery, HTML and CSS.

Jr. Engineer

- Reduced 25% latency in TCP communication with a robust API gateway service (Spring Boot, Apache Camel, Redis).
- Explored Docker, Kubernetes, Istio, Grafana and Prometheus, optimizing infrastructure monitoring for microservices.

## PROJECTS

<b>Mindquest</b>	Mar 2024 - Apr 2024
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- Developed a mobile application using Flutter, Spring Boot, and PostgreSQL to help users with mental health issues.

<b>Parkspace</b>	Aug 2019 - Feb 2020
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- Developed a cross-platform mobile application (Spring Boot, React Native, PostgreSQL) to find parking spaces.
- Maintained 80% test coverage with JUnit, Mockito and Jest, following a Test-Driven Development (TDD) approach.