

# ADITYA CHAKMA

☎ +8801610505120 ✉ [adityachakma199@gmail.com](mailto:adityachakma199@gmail.com) 📍 Dhaka, Bangladesh  
🌐 [LinkedIn](#) 🐙 [Github](#) 📁 [Portfolio](#)

## PROFILE

4 years of full stack Java Software Engineering experience and specialized in developing and managing complex projects and gathering requirements, especially in healthcare and EVV (Electronic Visit Validation) systems. Worked in a team of 50+ members and led some core projects, delivering high-quality results. Strong experience in code review, cross-team development, mentoring, requirements gathering, ensuring compliance with accessibility, and efficient project delivery using Scrum practices. I aim to build secure, reliable, scalable, and robust systems.

## WORK EXPERIENCE

Therap (BD) Ltd.

Software Engineer II

Dhaka, Bangladesh

March 2021 - Present

- Developed and maintained a large-scale SaaS application (therapservices.net) with **30,000+** active users and **500,000+** individuals.
- Worked in a team of **50+** individuals, worked on cross-team development projects, and reviewed pull requests following maintainable, testable, and clean code practices.
- Worked on hibernate, JDK, and spring version upgrades for Therap's aggregator application.
- Optimized most-frequent cron job DB queries and **improved performance by 5x**.
- Optimized **DB I/O for a feature by a factor of 25x** by using Oracle Coherence and write-back method.
- Contributed to meeting the 21st Century Cures Act mandated by the Federal Government and delivered state-specific solutions for Kentucky and Tennessee, which helped Therap to secure multi-million dollar state contracts.

*Salesforce live chat integration*

- Integrated salesforce live chat in Therap System and led two junior developers in the project.
- Automated chat transcription import in Therap System using REST APIs.
- Architected and redesigned salesforce API endpoints, **reducing API calls by 50%**.
- Optimized on-demand loading for JavaScript scripts across the system, **reducing network consumption by 20%**.

*KY data OS API and SFTP*

- Designed data-integration pipeline by connecting Therap's aggregator application with Therap's suite system.
- Fully automated manual workflows for data integration, enabling Therap to secure Kentucky state project.
- Load-tested APIs using Gatling and optimized endpoints, improving performance by **10x** to handle over **500+** requests per second.

*Webhook for Therap's ecosystem*

- Designed and developed a highly scalable notification API for Therap's ecosystem as a microservice.
- Used Oracle coherence as a second-level cache for high throughput handling over **1000+** high payload notifications per second.

**Tech stack:** Java, Python3, Hibernate, Spring MVC, Spring Boot, JSP, React, Javascript, REST API, Oracle DBMS, Oracle coherence, Hazelcast, TomCat, Weblogic, Docker

## SKILLS

**Backend:** Java, Python, C, C++, Javascript

**Frontend:** React, JSP, Javascript, JQuery, Thymeleaf, PrimeFaces, HTML, CSS

**Database:** Oracle DBMS, Mysql, PostgreSQL

**Dev-Ops:** Nginx, Weblogic, Docker, TomCat

**Tools/Frameworks:** Spring MVC, Spring Boot, Hibernate, Kafka, Maven, Gradle, Git, Gatling, Postman, JUnit

**Project Management:** Jira, Trello

**Competitive Programming:** Solved 500+ data structure and algorithmic problems on various online judges

**Core competencies:** Leadership and cross-team collaboration in an Agile development environment, Problem-solving and optimization, Strong communication skills, Adaptability in a fast-paced environment, Mentoring, and Knowledge sharing.

## EDUCATION

Bangladesh University of Engineering and Technology (BUET)

Masters in CSE - 3.75/4.00

July 2021 – Present

Dhaka, Bangladesh

Bangladesh University of Engineering and Technology (BUET)

Bachelor in CSE - 3.30/4.00

February 2016 – February 2021

Dhaka, Bangladesh

## PROJECTS

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- LCU Net [Github]
  - Implemented the original LCU-Net Paper. The source code was in C++, so I wrote it from scratch using Python.
  - Tech stack: Python, Keras, Tensorflow 2.0
- Attention (Chrome extension) [Github]
  - Nowadays, people's attention spans have decreased due to watching YouTube shorts and Facebook reels. So, I have made a chrome extension to remove shorts and reels from the feed as a pet project.
  - Tech stack: Manifest 3, Vanilla JS.
- Travel Mate [Github]
  - Made a travel agency website where a user can register their services and customers can rent cars and hotel rooms.
  - Tech stack: Laravel, PHP, Mysql
- Remote Control Car using ATmega 32
  - Components: ATmega 32, Node MCU, L298N Motor driver, SRF-05 Sonar Sensor, IR sensors
  - Tech used: C++, Atmel Studio

## LANGUAGES

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- Bengali (Native)
- English (**TOEFL - 99/120**)