

# ADITYA CHAKMA

+8801610505120    adityachakma199@gmail.com    Dhaka, Bangladesh  
[LinkedIn](#)    [Github](#)    [Portfolio](#)

## PROFILE

4+ years of full stack enterprise Java software engineering experience and specialized in developing and managing complex projects, especially in healthcare and EVV systems. Led 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.

## WORK EXPERIENCE

### Therap Services LLC

Software Engineer II

Remote, USA

March 2021 - Present

- Developed and maintained a large-scale **customer facing B2B SaaS** application (therapservices.net) with **40,000+ CCU (Concurrent Users)**, and **1,000,000+ active users**
- Worked in a team of 50+ members**, collaborated on cross-team development projects and reviewed pull requests following maintainable, testable, and clean code practices
- Optimized db queries of most-frequent for cron jobs and **made queries 5x faster**
- Reduced DB QPS for a feature by 25x** by caching with Oracle coherence
- Dockerized multiple services, including authentication server**, ensuring consistent configuration and deployment across production and development environments
- Contributed to meeting the 21st Century Cures Act mandated by the Federal Government (USA) and delivered state-specific solutions for Kentucky and Tennessee, which helped Therap to secure multi-million dollar state contracts
- Designed and developed dashboard and data-feed** for Tennessee and Kentucky for data-driven decision-making, reporting, and compliance monitoring, enabling real-time insights

#### Salesforce live chat integration

- Integrated salesforce live chat in Therap system and led two junior developers in the project
- Automated chat transcript import in Therap system from third party APIs
- Architected and redesigned salesforce API endpoints, **reducing API calls overhead by 50%**
- Optimized on-demand loading for Javascripts across the system, and **improved loading of websites 20% faster**

#### KY OS data API and SFTP

- Designed data-integration pipeline** and fully automated manual workflows for data integration (**SFTP and REST APIs**), enabling Therap to secure Kentucky state project
- Rearchitected data import pipeline**, enabling **100x faster processing** for large imports (150K+ rows) by using queue and batching techniques
- 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 Server** for Therap's ecosystem as a microservice
- Used Oracle coherence as a second-level cache for high throughput handling over thousands of 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, XHTML, HTML, CSS

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

**Dev-Ops:** Nginx, Weblogic, Docker, TomCat, Apache Zookeeper, Jenkins (CI/CD)

**Tools/Frameworks:** Java EE, Spring MVC, Spring Boot, Spring Cloud, Hibernate, Kafka, Swagger, Maven, Gradle, Git, Gatling, Postman, JUnit, JSON, Protobuf

**Project Management:** Jira, Trello

**Competitive Programming:** Solved 800+ data structure and algorithmic problems on various cp platforms

**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

July 2021 – Present

Dhaka, Bangladesh

### Bangladesh University of Engineering and Technology (BUET)

Bachelor in CSE

February 2016 – February 2021

Dhaka, Bangladesh

## PERSONAL PROJECTS

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- **Online Shop** [Github]

Designed and developed an e-commerce platform with role-based features, enabling admins to manage inventory and orders while customers could browse products, manage carts, place orders, and view order history. Implemented efficient search functionality for both roles.

- **Tech stack:** Spring MVC, Hibernate, JDBC, MySql, HTML, CSS, JSP
- **Features:** Role-based features, including inventory and order management for admins, product browsing, cart management, order placement, and history tracking for customers

- **Attention (Chrome extension)** [Github]

Developed a Chrome extension to enhance focus by blocking distracting websites, hiding YouTube shorts and Facebook reels, and bookmarking YouTube timestamps. Built using Vanilla JavaScript, Manifest V3, HTML, and CSS, with planned enhancements for customization and LLM-based content summarization.

- **Tech stack:** Manifest V3, Javascript, HTML, CSS
- **Features:** Bookmark YouTube video timestamps, remove YouTube shorts, remove Facebook reels, and block websites

## ACHIEVEMENTS

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- BDMO (Bangladesh Mathematical Olympiad) district champion for primary and secondary divisions
- IUT 2017 Hackathon Top 10
- Participated in multiple ACM ICPC contests

## LANGUAGES

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