

ADITYA CHAKMA

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[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. 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.

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 **30,000+ CCU (Concurrent Users)** and **500,000+** individuals.
- Worked in a team of **50+** members, worked on cross-team development projects, and reviewed pull requests following maintainable, testable, and clean code practices.
- Optimized most-frequent queries for cron jobs and **improved performance by 5x**.
- Reduced DB QPS for a feature by a factor of 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 transcription import in Therap system from third party APIs.
- Architected and redesigned salesforce API endpoints, **reducing API calls 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 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

July 2021 – Present

Dhaka, Bangladesh

Bangladesh University of Engineering and Technology (BUET)

Bachelor in CSE

February 2016 – February 2021

Dhaka, Bangladesh

PERSONAL PROJECTS

- **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, and 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

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

LANGUAGES

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