

ADITYA CHAKMA

Software Engineer

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[Linkedin](#) | [GitHub](#) | [Portfolio](#)

PROFILE

4.5 years of full-stack **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.

SKILLS

Backend:	Java, Python, C++, JavaScript, Rust, Node.js
Frontend:	React, JSP, JavaScript, jQuery, HTML, CSS, Bootstrap
Databases:	SQL(Oracle DBMS, MySQL, PostgreSQL), NoSQL(MongoDB)
Dev-ops/CI/CD:	Docker, Kubernetes, Github Actions, Jenkins
Libraries/Frameworks:	Spring Boot, Spring Cloud, Redis, Kafka, Hibernate
Tools / Platforms:	Load Testing(Gatling, Postman), Test Automation(JUnit, Playwright), AWS(RDS, EC2, S3, etc.), Linux, Git

EXPERIENCE

Therap Services LLC | Software Engineer II

Remote, USA | March 2021 - Present

- Developed and maintained a large-scale B2B enterprise SaaS application(therapservices.net) with **40,000+ CCU**(Concurrent Users), and **1,000,000+** active users
- Worked in a team of 10+ members, collaborated on cross-team development projects, and reviewed pull requests following maintainable, testable, and clean code practices
- Optimised the most frequent cron-job queries by observing **query execution plans, caching, and indexing**, achieving **5x faster** execution
- Reduced DB QPS for a high traffic feature, using Oracle coherence as second-level cache, by **25x**
- Dockerized multiple services, including the authentication server, **improving deployment time by 50%**, and contributed to transforming Therap's **monolithic architecture into microservices architecture**
- 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**
- Steadfastly managed the **JDK 8 to JDK 21** upgrade of the Therap application, leveraging OpenRewrite for efficient execution.

Salesforce live chat integration

- Led Salesforce Live Chat integration project, automated data integration, and led two junior developers
- Architected and developed API endpoints for salesforce, **reducing API call overhead by 50%** and automated the chat import process
- Optimized on-demand loading for JavaScripts across the system, **reducing network consumption by 20%**

KY OS data API and SFTP

- Designed and implemented data-integration pipeline and **fully automated manual workflows** for data integration(SFTP and REST APIs), enabling Therap to secure the Kentucky state project
- Re-architected data import pipelines with queued and batch processing, achieving **100x** faster response times on large(**150k+** row) imports
- Load tested API endpoints with Gatling, identified a bottleneck in the legacy UUID generator, and replaced it with Twitter's **Snowflake** UUID, achieving 5x insert/update operations per second

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

EDUCATION

Bangladesh University of Engineering and Technology (BUET)

M.Sc. in Computer Science and Engineering

Dhaka, Bangladesh

September 2021 - Present

PROJECTS / OPEN-SOURCE

Jumghor | Github

An Experimental privacy-centric social media application. Developed the basic features, like User registration, User Add and delete contact, Posts, Comments, etc.

Tech-stack: Java 21, Node.js, Spring Boot, Spring Security, Eureka, Open Feign, WebSocket, Kafka, Zookeeper, PostgreSQL, React, (Typescript) Tailwind CSS, Microservices, Restful APIs, Docker, Maven

Online Shop | Github

Designed and developed an e-commerce platform with role-based features for inventory and order management, product browsing, and efficient search functionality.

Tech-stack: Spring MVC, Hibernate, JDBC, MySQL, HTML, CSS, JSP

HONORS & AWARDS

- BDMO (Bangladesh Mathematical Olympiad) district champion for primary and secondary divisions
- IUT 2017 Hackathon Top 10
- Solved 800+ problems on different CP platforms

LANGUAGE

- English: TOEFL (99/120)