

# ADITYA CHAKMA

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🌐 [Linked-in](#) 🐙 [Github](#) 📁 [Portfolio](#)

## PROFILE

3.5+ 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, 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

April 2024 - Present

- Developed and maintained a large-scale SaaS application (therapservices.net) with 20+ state contracts. The application has 30,000+ active users and serves over 500,000+ individuals.
- Worked on a team of 50+ individuals and maintained core system functionalities, including Login, EVV, Scheduling (Calendar), and Secure messaging (Internal mailing).
- Architected and developed Webhook for Therap's aggregator application, enabling system-to-system communication with Therap suite efficiently and improved data integration.
- Mentored junior developers and participated in multiple tech-sessions.
- Load tested APIs using Gatling and optimized endpoints, improving performance by a factor of 10x to handle over 500+ requests per second.
- Optimized DB I/O for a feature by a factor of 25x by using Oracle Coherence and write-back method.

#### Software Engineer

March 2022 - April 2024

- Led critical projects such as Salesforce live chat integration in Therap System and automated chat import process from a third-party system using RestAPI.
- Architected and redesigned third-party API endpoints, reducing API calls by 50%. Developed several RestAPIs for multiple existing modules to support cross-platform development, including mobile platforms and IoT.
- Delivered state-specific solutions for Kentucky and Tennessee, implemented rollout-dashboard, and contributed to meeting the 21st Century Cures Act mandated by the Federal Government, which helped Therap to secure multi-million dollar state contracts.
- Optimized on-demand loading for JavaScript scripts across the system, reducing network consumption by 20%.
- Optimized most-frequent cron job DB queries and improved performance by 5x.
- Involved in development and QA-side server deployment using Weblogic, Nginx, and Tomcat, ensuring high performance and stability.

#### Associate Software Engineer

March 2021 - March 2022

- Developed and maintained several state projects with HIPAA compliance and contributed to core modules while maintaining PHI.
- Optimized and fixed bugs for core modules, such as Therap's T-log, which has millions of forms submitted every week.
- Fixed bugs for existing APIs and developed RestAPIs for third-party consumers.
- Developed an in-house message translation tracker for the localization of the application.

**Tech stack:** Java, Javascript, Spring MVC, Spring Security, Spring Boot, Servlet, Hibernate, JDBC, MySQL, Oracle Sql, JSP, HTML, CSS, REACT, PrimeFaces, Gatling, Postman, Git, Jira, Linux.

## SKILLS

**Programming Languages:** Java, Python, C, C++, C#, JavaScript

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

**Database:** Oracle, MySQL, PostgreSQL

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

**Project Management:** Jira, Trello, Agile development, Scrum

**Load test:** Gatling, Postman

**Tools/Frameworks:** Shell Scripting, Maven, Gradle, Git, Linux, L<sup>A</sup>T<sub>E</sub>X, XR<sub>La</sub>TeX, J<sub>R</sub>Label, J<sub>R</sub>Label, JDBC, Hibernate, Spring MVC, Spring Core, Spring Boot, Spring Security, Gatling, Postman

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

**Mentionable Courses:** Network Security, Programming languages and Systems, Advanced Digital Image Processing, Neural networks, Bioinformatics algorithms

**Thesis:** Handwritten characters recognition and dataset for the Chakma language

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

**February 2016 – February 2021**

*Bachelor in CSE - 3.30/4.00*

*Dhaka, Bangladesh*

**Mentionable Courses:** Data Structures and Algorithms I & II, Operating System, Computer Security, High-Performance Database systems, Artificial Intelligence, Pattern Recognition, Machine Learning

**Thesis:** Study of Spanning Trees with Maximum Number of Leaves

## LANGUAGES

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- Bengali (Native)
- English (TOEFL Score of 99/120)

## RECOMENDATIONS

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**Sahariar Alam**

Senior Software Engineer

Therap (BD) Ltd.

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