Aditya Raj

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in **LinkedIn profile**
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ABOUT

Software Engineer with experience building scalable backend systems at Amazon. Strong in **Java, Spring, Spring Boot, REST APIs, microservices, and distributed system design**. Currently based in Bangalore and available to join immediately. Passionate about improving performance, implementing design patterns, problem-solving (**LeetCode top 13% globally**), and writing clean, maintainable code following DRY/KISS and SOLID principles.

WORK EXPERIENCE

Amazon - Software Development Engineer (SDE1) - Chennai, Tamil Nadu - (Jan. 2024 - May. 2025) (1year 3.5months)

- *AAA to CloudAuth migration:* Led AAA to CloudAuth migration of 8+ services within Amazons backend systems, in which I had to migrate services from legacy authentication system AAA to CloudAuth.
  Impact: Moving to CloudAuth **reduced auth-related incidents by ~4% and reduced calls latency by 45%**.

- *REST APIs for Chistmas offer on My orders page:* Developed REST APIs for retrieving Christmas promotional offers, validating user eligibility, and applying the offer to orders on the My Orders page. The API handled **10K+ daily requests** for the Chritmas time window with **p99 < 80ms**
  Impact: **Increased visibility of seasonal promotions**, leading to higher conversion from returning users and **improved user engagement**.

- *Bannered carousel implementation on pages:* Revamped high-traffic horizontal carousel components using Amazon UI (AUI) framework, replacing compact cards with visually appealing banner like components.
  Impact: **Boosted click-through rate by ~13% on 3 major landing pages.**

- *Weblab cleanup:* Reduced code complexity, risk of regression, and increased code maintainability by removing **750+ dead and redundant lines of code** after cleaning up 3 weblabs code.
  Impact: **Enhanced overall codebase quality, lowering maintenance overhead, and minimizing potential bugs in production.**

EDUCATION

Institution	Degree	Year & Score
National Institute of Technology Agartala	Bachelor of Technology in Computer Science	2019–2023 | CGPA: 8.02

SKILLS

Programming Languages	Java, C++, SQL
Frameworks & Libraries	Spring, Spring Boot, Spring MVC
CS Fundamentals	Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS)
Architecture	Microservices, Distributed Systems, System Design
Tools	IntelliJ IDEA, VS Code, Git, GitHub

ACHIEVEMENTS

- **Top 13.53% globally** on **Leetcode** platform. Leetcode profile link
- **3 Star rated coder** at **CodeChef** CodeChef Profile link
- Participated and **got under 3000,4000 rank** in **global annual coding contests by Google and Facebook**: Google Kick Start, Hash Code, Code Jam (Top 4k rank 2021), and Facebook Hacker Cup (Top 3k rank Round 2). Certificates links

PERSONAL PROJECTS

Campaign Performance Aggregation API

- **About:** Built a production-grade Spring Boot API that unifies daily campaign performance across Meta, Snapchat, and revenue data sources. Implemented LA to UTC day conversion, active-campaign detection, latest cost snapshot extraction, revenue aggregation, campaign-name normalization, and full performance metric computation to return a clean, sorted daily report.
- **Tech Stack:** Java, Spring Boot, JDBC (JdbcTemplate), H2, Maven, JUnit 5
- **Key features:** LA to UTC time window conversion, latest snapshot extraction, revenue aggregation, unified join logic, profitability metric computation, exception handling, structured logging, and H2-based integration tests
- **GitHub Link:** Campaign Performance Aggregation API