

Mohammad Saalim

msaalim1998@gmail.com | [LinkedIn](#) | [GitHub](#) |
[Portfolio](#) | +91-7905311170 |

Professional Experience

Software Engineer, Cloudkeeper

September 2025 - Present

- Designed microservices with caching and database indexing strategies, cutting resource utilization and response times.
- Worked on cloud optimization services and impacted more than **30%** of our customers and improved cloud savings.
- Integrated CloudWatch cost monitoring tools to analyze and reduce monthly cloud spending.
- Implemented a feature which could raise an alert in case the system finds some spike in billing.
- Automated scaling and cleanup of unused resources through scripts and cron-based tasks to minimize overhead.

Software Engineer, Samsung Research Institute

June 2022 - Sept 2024

- Designed and implemented over 10+ microservices using **Java and Spring Boot**, enabling seamless integration with legacy systems.
- Engineered and maintained a suite of 15+ RESTful APIs for critical data services, resulting in a **40% accuracy** in system performance and **25% faster data retrieval**.
- Leveraged Hibernate ORM, cutting down boilerplate code by **50%** and boosting database query **efficiency by 35%**.
- Conducted comprehensive API testing with Postman, leading to **98% test coverage** and reducing **production bugs by 45%**.
- Reduced query latency by **60%** by analysing execution plans and adding proper indexing on frequently accessed tables in MySQL.

Software Engineer Intern, Samsung Research Institute

Jan 2022 - May 2022

- Developed a RESTful backend using Spring Boot to manage student registrations, course enrolments, and grade records, handling CRUD operations with **100% REST compliance**.
- Integrated Hibernate ORM to manage database entities, reducing raw SQL use and improving maintainability by **40%**.
- Optimised SQL queries for fetching course histories with JOINS and indexing, improving query **speed by 2x**.

Technical Skills

- Programming Languages:** Java, Python, JavaScript, C++.
- Databases:** MySQL, Redis, MongoDB.
- Framework:** Spring Boot, Hibernate, Maven, Jenkins .
- Tools:** Postman, Confluence, Jira, Gitlab, GitHub, RabbitMQ, Kafka, Docker, Kubernetes.
- Cloud:** AWS, GCP, Azure.
- Design:** System design (HLD, LLD, API design).

Projects

Billing and Payment System

June 2022 - Sept 2024

- Developed a distributed B2B billing platform to automate invoicing, PDF generation, and partner notifications across 30+ enterprise clients.
- Built core backend services using Spring Boot, Kafka, and Redis, optimized latency with caching and indexing, and ensured reliability with DLQ and retry logic.

Education

B.Tech in Electronics and Communication(GPA: 9.45/10)
Jamia Millia Islamia, New Delhi

August 2018 - June 2022

Certifications

- Professional and Advanced SWC (Software Competency Certification).
- Samsung Incredibles Award in recognition of exceptional performance, Quarter 3 2023.