

AMEENUR RAHMAN

Senior Software Engineer

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PROFESSIONAL SUMMARY

8+ years Senior Software Engineer specializing in Java, Spring Boot, React, PostgreSQL, and AWS. Built scalable microservices and full-stack solutions across telecom, healthcare, eCommerce, adtech, and fintech industries. Strong in API design, ETL, caching, and performance tuning to deliver reliable, user-centric products.

TECHNICAL SKILLS

Programming Languages: Java

Frameworks: Spring Boot

Frontend: React

Tools: Jira, Confluence, IntelliJ IDEA Ultimate, EJIRA

Databases: PostgreSQL, MySQL

Platforms: AWS

Others: Production, UAT, Development, Testing

PROFESSIONAL EXPERIENCE (8+ YEARS)

Senior Software Engineer | Mar 2025 - Present

CGI | Chennai

- Working on a large-scale diagnostic platform that enables service performance analysis and issue detection for telecom systems.
- Lead architecture and implementation of **microservices** and **REST APIs** for diagnostic capabilities; improved detection workflow performance by 30%.
- Optimized **PostgreSQL deployed on GCP** and optimized the existing relational model to JSONB access patterns.

Technologies Used: Java, Spring Boot, PostgreSQL (JSONB), REST APIs, Microservices

Senior Software Engineer | Oct 2022 - Feb 2025

Memob+ | Chennai

- Delivered **full-stack features** with Java 17 and React to enhance data management platform capabilities; increased usability.
- Integrated secure **payment gateway** and **social login providers**; reduced onboarding friction by 90%.
- Built **asynchronous events** with RabbitMQ and Kafka; boosted processing throughput by 40%.
- Implemented **Redis** and **Caffeine** caching; powered API response for high throughput.
- Created **ETL pipelines** and **geospatial queries**; improved data quality using AWS EMR.

Technologies Used: Java 17, Spring Boot, React, RabbitMQ, Kafka, Redis, Caffeine, PostgreSQL, ETL

Senior Software Engineer | Mar 2020 - Oct 2022

Tracker Wave | Chennai

- Developed **RESTful services** for RTLS with queue-based updates to web clients, ensuring real-time visibility.
- Automated **email scheduling** across time zones; saved manual report generation by an hour for healthcare teams.
- Normalized **MySQL** schemas; improved query performance by 30%.
- Utilized **ClickHouse** for real-time analytics; reduced insight latency by 20% also removed sql injection queries.
- Led feature enabling broader RTLS adoption among clinical porter staff, boosting daily workflow efficiency by **25%** and significantly saving hours weekly.
- Implemented stringent code review and automated functional testing using SoapUI gates, reducing production incidents by **60%** and stabilizing release cadence across all services.

Technologies Used: Spring Boot (Maven), Java Scheduler, MySQL, ClickHouse, Messaging Queues

Senior Software Engineer | Feb 2017 - Mar 2020

CTela Solutions PVT LTD | Chennai

Built **Spring Core/IOC, Data JPA, and Hibernate ORM** modules for IoT analytics features.

- Streamlined **Maven** build lifecycle; reduced build failures by 60%.
- Authored complex **MySQL** queries and DB objects; improved data retrieval speed by 25%.
- Collaborated with product and QA to meet **release schedules**; lowered **post-release defects** using JIRA..

Technologies Used: Spring Core, Spring IOC, Spring Data JPA, Spring Integration, Hibernate, Maven, Git, MySQL

PROJECTS

Service Diagnostic Test | CGI (Client: Bell)

Diagnostic platform for service performance analysis and issue detection in telecom; Translation API served localized UI labels and metrics from PostgreSQL JSONB with a normalized schema.

- Built **Spring Boot microservices** and a **RESTful Translation API**; reduced query latency by 40% via efficient JSONB usage and schema normalization also upgraded the microservice to support the existing downstream services and clients.
- Usage of SOLID principles to achieve code reusability and avoid boilerplate codes.

Allpings, Data Management Platform | Memob+

AdTech DMP with Java 17 and React; Stripe billing, social logins (Meta, Snap, TikTok), RabbitMQ/Kafka events, Redis/Caffeine caching, ETL, and PostgreSQL geospatial queries.

- Implemented **Stripe billing** and **social login integrations**; increased onboarding completion by 90% while maintaining compliance.
- Optimized **event pipelines** and **caching**; cut API response time by 50% and improved throughput by 45%.

Real Time Location System (RTLS) | Tracker Wave

RESTful APIs powering porter and asset tracking; queue-based updates to clients, cross-time-zone email scheduling, MySQL normalization, and ClickHouse analytics.

- Delivered **real-time updates** with queue-based services for porter management; reduced state-change propagation time by 10%.
- Automated **report scheduling** across time zones; saved 7hr/week for operations.
- Client real - time support for product resolution

IoT Analytics Platform | CTela Solutions PVT LTD

Java web apps using Spring modules and Hibernate; Maven builds, Git workflows, and MySQL queries for eCommerce analytics.

- Engineered **Spring/Hibernate** data services; improved query efficiency by 20% and reduced severe errors by unit testing.
- Strengthened **build and version control**; lowered deployment defects by automated backup and script in aws.

EDUCATION

M.Sc. Computer Science | 05 / 2015

The New College | Madras University | Chennai

B.Sc. Computer Science | 07 / 2013

The New College | Madras University | Chennai

LANGUAGES

- English
- Tamil
- Arabic

INDUSTRY EXPERTISE

- Telecom
- Healthcare
- eCommerce
- AdTech

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