

# 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. 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, Postgres, MySQL

Platforms: AWS

Others: Production, UAT, Development, Testing

## PROFESSIONAL EXPERIENCE (8+ YEARS)

Senior Software Engineer | Apr 2025 - Present

CGI | Chennai

- Led architecture and implementation of **microservices** and **REST APIs** for diagnostic capabilities; improved detection workflow by 30%.
- Optimized **PostgreSQL JSONB** access patterns and migration to relational models; reduced query latency by 40%.

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

Senior Software Engineer | Oct 2022 - Mar 2025

Memob+ | Chennai

- Delivered **full-stack features** with Java 17 and React to enhance data management platform capabilities; increased usability by 50%.
- 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

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**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; reduced state-change propagation time by 10%.
- Automated **report scheduling** across time zones; saved 7hr/week for operations.

## 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

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**M.Sc. Computer Science | 05 / 2013**

The New College | Chennai

**B.Sc. Computer Science | 07 / 2015**

The New College | Chennai

## LANGUAGES

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- English
- Tamil
- Arabic

## INDUSTRY EXPERTISE

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- Telecom
- Healthcare
- eCommerce
- AdTech