

# RAHUL CHAUHAN

Rewari, Haryana • +91-9518680431 • rahulchauhan95186@gmail.com

GitHub: [github.com/Rahul0-01](https://github.com/Rahul0-01) • LinkedIn: [linkedin.com/in/rahul-chauhan-a19741355](https://www.linkedin.com/in/rahul-chauhan-a19741355) • LeetCode: [leetcode.com/u/Rahul\\_op](https://leetcode.com/u/Rahul_op)

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## PROFESSIONAL SUMMARY:

Backend-focused Full-Stack Developer skilled in Spring Boot, Redis, RabbitMQ, WebSockets, Docker, and AWS. Built and deployed production-grade applications (Taskify & QR Restaurant) with real-time features and scalable backend architecture. Strong in DSA with 800+ solved LeetCode problems and top contest rank (#232).

## TECHNICAL SKILLS:

Java, Spring Boot, Spring Security, REST APIs, JWT, Redis, RabbitMQ, WebSockets (STOMP), PostgreSQL, Docker, AWS (ECS, ECR, RDS, S3), React, Redux Toolkit, CI/CD, Swagger/OpenAPI

## PROJECTS:

**Taskify — Production-Ready Task Manager** | Spring Boot, Redis, RabbitMQ, PostgreSQL, React, Docker, AWS (ECS, ECR, RDS, S3), Gemini API

**Live:** <http://taskify-frontend-rahul.s3-website.eu-north-1.amazonaws.com/>

**GitHub:** <https://github.com/Rahul0-01/Taskify>

- Built and deployed a production-grade SaaS with secure JWT auth, refresh-token rotation, and modular Spring Boot backend architecture.
- Reduced repeated-query latency by ~75% using Redis caching and optimized cache invalidation strategies.
- Designed an asynchronous reminder pipeline with RabbitMQ, lowering missed reminders by **40%** and ensuring reliable message delivery.
- Added an AI-powered assistant using Google Gemini API to create, update, delete, and fetch tasks through natural language commands.
- Automated CI/CD with GitHub Actions → Docker build → ECR push → ECS Fargate deployment, achieving zero-downtime updates.
- Documented all APIs using Swagger/OpenAPI and exported Postman collections for quick QA and developer onboarding.

**QR Restaurant System — Multi-tenant Ordering & KDS** | Spring Boot, React, STOMP/WebSockets, PostgreSQL, Razorpay, Sentry, Netlify/Supabase

**Live:** <https://cool-kleicha-7eac9.netlify.app/r/bloody-hunters/menu/59468671-0b1c-4b78-ab9a-7fcb7d9a01cf>

**GitHub:** <https://github.com/Rahul0-01/Restaurant-App>

- Architected and deployed a multi-tenant QR ordering SaaS with tenant-scoped data isolation across 8+ relational tables to support restaurant-scoped menus and orders.
- Implemented a secure Spring Boot backend with 38+ REST endpoints and a JWT-based 3-role model (Super Admin, Admin, Staff) enforcing strict tenant data isolation.
- Built a dynamic React frontend with a Service Portal and real-time Kitchen Display System (KDS); used STOMP over WebSockets to reduce order-to-kitchen latency by **~95%** vs polling.
- Integrated Razorpay to implement the full payment flow with server-side confirmation and client receipts.
- Added Sentry for full-stack error monitoring and logging — tracked and resolved production issues and set up alerts for critical failures.

## KEY ACHIEVEMENTS:

- Solved 800+ DSA problems on LeetCode; ranked #232 in LeetCode Weekly 451.
- Built and deployed multiple production-grade applications to AWS (ECS, ECR, RDS, S3); implemented Redis caching and RabbitMQ-based async pipelines.

## EDUCATION:

B.Tech (Computer Science & Engineering), Rao Birender Singh SIET, Zainabad (2021–2025)