

ROHIT RAMBANSH YADAV

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SUMMARY

Senior Backend Engineer with 5+ years of enterprise experience building large-scale, high-availability telecom billing platforms for UK based telecom operators. Specialized in Core Java, Spring Boot, microservices, telecom rating systems, AI/LLM automation pipelines and cloud technologies. Delivered performance improvements across CDR processing systems, led UAT for MVNO billing programs, and mentored 50+ engineers.

WORK EXPERIENCE

- **TATA Consultancy Services (Client: British Telecom, UK)**
IT Analyst | August 2020 – Present
 - **System Architecture & Development:** Designed and delivered high-availability E2E telecom billing solutions (via Java, Spring Boot, OCOMC) processing 100M+ daily CDRs, driving ~£20M in revenue, and directly contributing to critical architectural design decisions across diverse platforms.
 - **Domain Expertise:** Managed and optimized MVNO billing, interconnect billing, and complex subscriber provisioning systems.
 - **Performance Engineering:** Engineered a real-time Call Detail Record (CDR) processing mechanism utilizing multithreading, reducing processing latency by 50% to achieve near real-time performance. Consistently addressed and resolved critical production issues to improve system performance and uptime.
 - **Client Leadership:** Spearheaded the User Acceptance Testing (UAT) phase for an E2E billing application catering to a UK-based MVNO, resulting in formal client appreciation.
 - **Mentorship & Leadership:** Served as a technical mentor and trainer for Java, successfully upskilling over 50 internal and external associates. Actively volunteered in project-level and team-building activities. Participated in TCS fresher hiring process as a Technical SME.
 - **Career Progression:** Promoted to the highly competitive TCS Digital cadre within just 1.5 years of joining after successfully clearing rigorous internal technical assessments.

Key Achievements:

- Bronze Guru Award for talent development initiatives (2026)
- Selected for TCS NextGen Mentorship Program (2025)
- Ranked 22nd nationally in TCS CMI Code Masters (2025)
- Contextual Master Award for system optimization (2023)

EDUCATION

- **B.Tech** – ECE | Netaji Subhash Engineering College | CGPA - 9.17/10 | 2020

TECHNICAL SKILLS

- **Programming Languages:** Core Java, Java 8, Python, Oracle SQL, Shell Scripting, PL/SQL.
- **Frameworks & Libraries:** Oracle OCOMC/ONM, Spring Boot, Spring MVC, Spring Security (with JWT), Microservices, Junit, TDD, LangChain.
- **Cloud & DevOps:** AWS, Microsoft Azure, Jenkins, Git, Gitlab, Linux VMs, Jira, Maven.
- **Methodologies & Tools:** Agile, Scrum, RESTful API Integration, Amazon Q Developer.

PROJECTS

- **LLM-Based Trade Execution Bot for algorithmic trading**
 - Built an AI-powered Python-based algorithmic trading platform utilizing **Groq (LLaMA 3.1)**, Selenium, and AWS EC2 to autonomously parse Telegram trading signals and execute risk-managed multi-leg GTT orders on the Upstox platform.
 - Engineered a robust system with automated daily OAuth login via TOTP, a 6-gate risk filter (EMA trend, R:R, liquidity checks), and a GitHub Actions CI/CD pipeline for zero-touch deployment.
- **Ariel Droplets - Smart India Hackathon Runner-Up** (Final Year Project)
 - Engineered a prototype system capable of condensing and generating potable drinking water directly from atmospheric moisture.
 - Presented the working prototype at the Smart India Hackathon 2019, securing the runner-up position on a national stage.

CERTIFICATIONS

- **Cloud & Architecture:** AWS Certified Solutions Architect - Associate (2025)
- **Cloud & AI:** Microsoft Certified: Azure Fundamentals (AZ-900) and Azure AI Fundamentals (AI-900) (2024).
- **Data & Process:** Certification in Data Analytics by LinkedIn and Microsoft (2024); CSSC Six Sigma White Belt certification (2023).
- **Academic Honors:** Achieved State-level ranks of 56 and 60 in the Science and Mathematics Olympiad, respectively (2015).
- **Additional Training:** Udemy certification in Core Java, DevOps, Shell scripting, Spring Boot (2021); NPTEL certification in Python Data Structures/Algorithms (2019).

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- **Pre-Screening Evaluator, Smart India Hackathon (2024 – 2025):** Volunteered as an official pre-screening judge to rigorously review and evaluate technical solutions submitted by engineering teams nationwide.
- **Placement Representative, NSEC ECE Department (2019 – 2020):** Managed corporate communications and oversaw the placement process for a batch of 120+ students. Collaborated heavily with the central Placement Cell to resolve logistical conflicts during recruitment drives.
- **Content Writing Intern, Connect My Edu (2018):** Completed a virtual internship focused on researching, writing, and proofreading articles on diverse, niche topics.