Raghavendra Singh Chauhan

LinkedIn | Github

rsc4200@gmail.com

SDE - II

+91-8240xxxxxx

Professional Summary

Software Engineer with 3 years of experience in building scalable, high-availability systems and driving critical platform modernizations. Demonstrated end-to-end ownership—ranging from architectural design and implementation to infrastructure automation.

Relevant Professional Experience

Deutsche Bank   Pune, India

Software Engineer (Analyst → Associate)   *July 2021 – December 2023*

- **Achieved fast-track promotion to Associate (SDE-II)** for consistent 'Beyond Expectations' ratings and ownership of critical systems.
- Co-led end-to-end decommissioning of Gravity (legacy monolith), executing complex schema migrations using Liquibase/Flyway, ensuring **100% data integrity** and delivering **$2.1M in annual savings**.
- Optimized team CI/CD pipelines and automated internal scripts, reducing deployment friction and saving **8 hours/week**.
- Built and scaled Spring Boot data-ingestion services (**50M+ records/day**), maintaining **(80%)** test coverage.
- Mentored and onboarded 3+ new engineers, authoring documentation (KTs) and utility scripts that reduced onboarding time by an estimated **60 hours**.
- Ensured the legacy decommissioning project finished on schedule by resolving critical compliance blockers through Hazelcast & Camel upgrades, preventing an estimated **8-week delay**.
- Optimized **Hazelcast distributed caching** (24-node cluster), reducing API latency by **50%**.
- Resolved complex production issues **preventing multiple P1 outages and averting $500k+ in potential regulatory impact** by analyzing RedHat kernel metrics, applying Shell Scripting (awk, grep, regex) to trace API failure patterns, and fixing RabbitMQ queue bottlenecks.

Google Summer Of Code 2020 Student Developer   Remote

incf Belgian Node - Intern   *May – September 2020*

- Developed a biological cell-tracking module using the **Viterbi Algorithm**, delivering the first production-ready iteration independently.
- Improved data extraction performance by reducing algorithmic complexity from **cubic $O(n^3)$ to quadratic $O(n^2)$**, enabling faster analysis workflows.
- Collaborated fully remotely across time zones, applying clean OOP abstractions to improve maintainability

Projects

Social Distro - Concurrent LLM Engine (2025)

High-concurrency personal-data engine with LLM querying. Focus on privacy, user-similarity clustering for richer, personalized responses.

High-Frequency Distributed Auth System (2025)

Distributed authentication system using gRPC (Google Remote Procedure Call) and ECDSA (Elliptic Curve Digital Signature Algorithm)

Quantitative Trading Backtesting Engine (2025)

Implemented quantitative-finance–based trading and backtesting logic, validating strategies on historical datasets

Open Source Contribution - OpenBB Terminal (2023)

Contributed two merged PRs to the OpenBB Terminal (open-source fintech), fixing data display issues for a cleaner UX.

Myocardial Infarction Detection (Deep Learning) (2020)

Developed a binary classification model using **LSTM** (Long Short-Term Memory) networks trained on the PTB ECG data, outperforming contemporary CNN-based models

Software Engineering Skills

Languages : Java, C++, Python, Bash, JavaScript, SQL

Frameworks & Libraries : Spring Boot, Apache Spark, Hazelcast, gRPC, Kafka, RabbitMQ

Cloud & DevOps : Google Cloud Platform (GCP), Docker, Terraform, Liquibase, Jenkins, Git, Linux, Maven

Concepts : Distributed Systems, Concurrency, Data Structures & Algorithms, System Design, OOP, RESTful APIs, Agile, SDLC

Independent research and sabbatical

Sabbatical   Gurugram, India
Indian Civil Services Examination (Mathematics Optional)   *Jan 2024 – Nov 2025*
- ○ Focused on **Linear Algebra, Numerical Analysis, and Optimization** (Linear Programming).

- ○ Demonstrated aptitude by ranking in the **top 2%** of 800K+ candidates, qualifying for the Mains (Stage 2) written examination.

Education

Indian Institute Of Engineering Science & Technology Shibpur   WB, IN
B.Tech in Electronics & Telecommunications; CGPA: 9.15/10   *July 2017 – June 2021*

Senior Secondary   WB, IN
Computer Science; CISCE (ISC); 96% (574/600)   *May 2015 – May 2017*

Accomplishments

Deutsche Bank Recognition Award (2022) - Cash reward for delivering critical modules and **demonstrating ownership**

Indian Army Officer Selection (Engineers - 2017) - Recommended by the Services Selection Board (SSB). Cleared the rigorous 5-day evaluation of intelligence, personality, and leadership traits.

Interests

Strategic Gaming - Active Chess player; enjoy solving algorithmic puzzles and recreational mathematics

Financial Markets - Keen interest in macro-economics and equity analysis