

Sachin Kumar Yadav

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Summary

Software Development Engineer (SDE-2) with **2.7+ years** of experience building scalable backend systems using **Go**, microservices, PostgreSQL, Redis, and AWS. Specialized in distributed systems, concurrency, workflow orchestration, and performance optimization, with proven impact in reducing processing latency and developing reliable, high-scale services for millions of financial transactions and customer onboarding workflows.

Education

Indian Institute Of Information Technology Lucknow

2019 – 2023

B.Tech in Information Technology (CGPA: 8.46)

Experience

• Software Development Engineer 2, Angel One

Apr 2026 – Present

Bengaluru, India

- Engineered a high-performance CDSL fulfilment pipeline by parallelizing batch processing with Go goroutines, optimizing workflow orchestration, and implementing robust error recovery, reducing processing time by **over 90%** (10 min → 1 min) and accelerating customer trade activation.
- Optimized KYC communication services by refactoring legacy email and OTP template handling, simplifying the notification framework and reducing maintenance overhead.
- Engineered an asynchronous audit reporting pipeline using Amazon SQS to generate **9 compliance reports**. Reduced CPU and memory spikes by redesigning long-running database queries with window-based pagination for month-scale datasets, while extending the API to support report generation using both time windows and application IDs.

• Software Development Engineer 1, Angel One

Mar 2024 – Apr 2026

Bengaluru, India

- Designed and implemented an orchestration layer for Account Aggregator (OneMoney + CAMS) integrations, coordinating KYC core services and external vendors for onboarding, consent management, and webhook processing, enabling automated bank-data retrieval for **100K+ monthly users**.
- Built orchestration workflows integrating IMPS, RPD, and Decentro with internal REST APIs, managing request routing, retries, and error handling for real-time payment and verification services.
- Automated CDSL Harmonized Data Push using encrypted APIs, processing **25K+ records daily** and eliminating manual CSV uploads.
- Implemented secure CDSL file encryption by integrating Windows-based tools with Go microservices, ensuring regulatory compliance used by **100%** onboarding users.
- Developed NSE/BSE UCC file generation utilities, supporting **100K+ backlog cases** during exchange API downtime.
- Reduced NSE/BSE UCC push failures by **40%** by fixing validation issues, data formatting errors, and workflow gaps.
- Added support for joint accounts, physical accounts, and EMOD scenarios, improving onboarding coverage by **15%+**.
- Built EMOD Admin utilities to regenerate failed files, reducing operational dependency on backend teams by **60%**.
- Designed WhatsApp and AWS SNS notification systems delivering alerts to **500K+ users per month**.
- Integrated AWS Lambda and optimized S3 workflows, reducing document processing latency by **20%**.
- Resolved high-impact KYC production issues, improving profile creation success rate and data consistency.

• Software Development Engineer 1, MAQ Software

Nov 2023 – Feb 2024

Bengaluru, India

- Built and maintained no-code and low-code automation workflows using Microsoft 365 and Power Automate to streamline backend business processes.
- Integrated internal and external REST APIs using JavaScript, implementing asynchronous execution, error handling, and retries to improve workflow reliability.
- Optimized automation pipelines by identifying failure points and reducing execution errors and manual intervention.

• Software Engineer Intern, Acko

Jan 2023 – Oct 2023

Bengaluru, India

- Designed and built a data anomaly detection platform for insurance data pipelines, achieving **50%+ accuracy** and improving data reliability.

- Automated endorsement scheduling workflows, reducing manual processing time by **30%** and improving operational efficiency, Enhanced authentication and login validation flows, reducing customer-facing errors by **20%** and improving user experience.

Technical Skills

- **Languages:** Go, Python, Java, SQL, Bash, JavaScript
- **Backend & Systems:** Microservices, REST APIs, Distributed Systems, Camunda, Apache Pinot
- **Databases & Storage:** PostgreSQL, Redis, Amazon S3
- **Cloud & DevOps:** AWS (Lambda, SNS, S3, Step Functions, Kinesis, IAM), Docker, Linux, Git
- **Tools & Environment:** Neovim, Shell Scripting, Hyprland

Achievements

- Secured **1st Place** at IIIT Lucknow Hackathon among multiple competing teams.
- Achieved **Rank 60** in CodeChef Starters 48 (global contest).
- Attained **Specialist** rating on Codeforces through consistent competitive programming performance.
- LeetCode **Knight (Rating: 1928)**