

# SACHIN TIWARI

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## Experience

### Razorpay

Sept 2024 – Present

Backend Engineer

Golang, PostgreSQL, Redis, Asynq, S3, Airflow, Docker, Kubernetes, Helm, Terraform

- Designed and implemented a full pipeline to automatically fetch and process Merchant Payout Reports (MPR) from S3, enabling hands-free recon execution — **reduced manual effort by 80%** and **cut processing delays by 50%**.
- Built a dynamic task scheduler and Slack-based alerting system to detect failures and notify relevant teams in real time — improved merchant response and support resolution time by **over 60%**.
- Developed a flexible rule engine and transformation config framework to onboard 30+ recon flows without additional code — helped cut **onboarding time by 70%**.
- Led implementation of validation and file transformation logic to maintain **99.9% accuracy** in reconciliation output, ensuring reliability and compliance.
- Improved observability by adding detailed logging, health checks, and error alerting — **reduced debugging time by 40%** and enhanced production stability.

### Signzy Technologies

Sept 2023 – Sept 2024

Software Development Engineer - 1

JavaScript, Node.js, React.js, Angular.js, Loopback, HTTPs, Docker

- Worked on masking 30 million Aadhaar card and PAN card numbers, involving blurring out the first 8 digits of the number. Created the architecture and wrote the code using **RabbitMQ** and **Node Cluster**.
- Took complete ownership of a legacy project and increased its stability from **45%** to **80%**. This involved re-writing multiple API integrations and changing the overall flow of the code. The project was written in Loopback 2 and Node 10.
- Introduced **Test Driven Development** in my team and made it mandatory for any new feature whenever possible. This initiative helped uncover hidden bugs and improved the speed of sanity or E2E testing.

### Decurtis Corporation

Jan 2023 – Sept 2023

Trainee Software Engineer

JavaScript, Nodejs, Reactjs, Redis, CSS

- Led REST API integration with cross-functional teams, reducing response time by **50%** and improving scalability by **60%**, significantly enhancing platform reliability.
- Managed hotfixes and critical issues with minimal downtime, maintained clear documentation, and fostered high-performing team collaboration for consistent delivery.

## Projects

### Expense Tracker App | (Spring Boot, Java, Spring Security, MySQL, JavaScript, HTML, CSS) </>

- Developed a robust backend system with Spring Boot, featuring microservices for core components such as expenses, salary, users, goals, and authentication, along with their graphical representation
- Enabled users to add, edit, and categorize expenses, providing a comprehensive and customizable expense tracking experience.

### Online Coding Judge Platform | Backend Service </>

- Developed the backend service for an online coding judge platform, integrating Redis and implementing BullMQ for efficient job and worker management. Practiced best coding practices, including the addition of a robust logger for monitoring and debugging.
- Designed and implemented an advanced evaluation service that accurately verifies user submissions against 30 test cases; reduced overall evaluation time by **50%**, enabling users to receive instant feedback on coding challenges.

## Technical Skills

**Languages:** Python, C++, Java, GoLang, Javascript

**Frameworks::** NodeJS, Qt, Spring Boot, REST APIs, JWT, ReactJS, AngularJS, ExpressJS

**Cloud Technologies::** AWS, Docker, Kubernetes

**CI/CD Tools::** RabbitMQ, Kafka, Jenkins, Redis

**Others:** Data Structures and Algorithm, Database Management, Postman, Jira, Devrev, Cursor, Git Copilot, Git, Microservice Architecture, LINUX, Operating Systems, Object Oriented Programming, Computer Networks, DB design

## Achievements

Max rating - 1760 **Top 9% on Leetcode Globally.** 🌐

Max rating - 1728 (**3 Star**) on CodeChef 🌐, Best Global rank - **56** among 22,000+.

Global Rank under 11k -**Basis of Problems solved on LeetCode - top 1.15% globally**, best global rank - **783**.

Contributed as well as mentored more than **500+** students regarding the open source projects.

Acquired under **150** ranks in various Contests on Codechef and under **500** in various contests on GeeksforGeeks.

## EDUCATION

### University of Mumbai

Mar 2019– Mar 2023

Btech. in Electronics and Communication Engineering

9.62 CGPA