# Rajat Tripathi

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## Professional Summary

- Java Backend Developer with 2+ years of experience building scalable, secure applications using Java, Spring Boot, REST APIs, and microservices. Skilled in production support, debugging, and improving system reliability. Hands-on experience with Splunk, PagerDuty, Git, Docker, and modern development workflows. Continuously learning Kafka, CI/CD automation, and cloud technologies.

## Key Skills

- **Languages**: Java, JavaScript
- **Frameworks**: Spring Boot, Spring Security, Spring Cloud, Spring MVC, JPA/Hibernate, React.js, Angular
- **Developer Tools**: Git, GitHub, Jira, Jenkins, Docker, Postman, VSCode, STS, IntelliJ IDEA, Temporal Workflows
- **Monitoring**: Splunk, PagerDuty
- **Databases**: PostgreSQL, MySQL
- **Cloud & Messaging**: AWS (Basics), Kafka (Basics), Redis (Basics), NATS
- **Concepts**: OOP, JWT Auth, REST APIs, Microservices, CI/CD, Debugging, Production Support

## Professional Experience

**1ClickTech**　　　　　　　　　　　　　　　　　　　　　　　　July 2025 – Present
*Java Developer*　　　　　　　　　　　　　　　　　　　　　　　　*Gurgaon, India*

- Developing SAAS-based HRMS and Payroll modules using Java, Spring Boot, microservices, Temporal Workflows, NATS messaging, and Redis caching.
- Implemented enterprise-grade Geofencing to enforce employee check-in within or near office radius based on shift timing, WFO/WFH rules, and organization policies.
- Designed and deployed automated WFH approval workflow using custom pipeline scripts with hierarchical approval (Manager - HR).
- Developed subscription-api to manage subscription plans for multi-product platform with dynamic entitlements.
- Implemented meter-service to validate feature availability and enforce limits based on subscribed plan.

**Coforge**　　　　　　　　　　　　　　　　　　　　　　　　Sep 2022 – Jan 2025
*Software Engineer*　　　　　　　　　　　　　　　　　　　　　　　　*Noida, India*

- Reduced user payment errors by 25% by enhancing UI error handling and validation in Expedia's React-based platform.
- Resolved 25+ PCI-related security vulnerabilities in the payment system.
- Used Splunk and PagerDuty to troubleshoot and resolve 100+ high-priority production issues.

- Developed a disruption management platform used by 50,000+ passengers yearly for rerouting during train delays.
- Implemented French localization using Angular i18n.
- Reduced passenger wait time by 35% by optimizing travel disruption workflows.

**Coforge**　　　　　　　　　　　　　　　　　　　　　　　　Jan 2022 – Aug 2022
*Graduate Engineer Trainee*　　　　　　　　　　　　　　　　　　　　　　　　*Noida, India*

- Built full-stack mini-projects focused on Java and React as part of intensive training.
- Participated in client demos and assisted in documentation.

## Project Highlights

**Disruption Management App – Eurostar** — Angular, Java, REST APIs
- Implemented core modules for handling travel delays and dynamic rerouting.
- Built multilingual UI with real-time French rendering using Angular i18n.

**Payment Module – Expedia** — React.js, Splunk, PagerDuty, Java
- Refactored payment iframe to validate card numbers via Luhn algorithm.
- Integrated Splunk dashboards with automated PagerDuty alerting.

**Subscription & Metering System – 1ClickTech** — Spring Boot, Temporal, NATS, Redis
- Developed subscription-api to manage product subscription plans with dynamic entitlements and plan-based access.

- Built meter-service to validate feature usage and enforce restrictions according to the subscribed plan.
- Integrated Temporal Workflows to trigger payment processing automatically whenever a user clicks "Subscribe," similar to Swiggy/Zomato flow — ensuring reliable retries, idempotency, and accurate status updates.
- Used NATS for communication between subscription, metering, and billing services, ensuring low-latency and scalable messaging.

## Personal Projects

**Student Administration System** — Spring Boot, JWT, Hibernate
- Developed secure REST APIs with JWT authentication and Spring Security.
- Built dashboards for fee tracking, user management, and class operations.
- Designed relational schema with JPA/Hibernate.

**Admin Panel – ScratchPay** — Spring Boot, JWT, BCrypt
- Implemented JWT login, RBAC, and global exception handling.
- Added secure user management APIs with BCrypt hashing.

## Education

**Noida Institute of Engineering and Technology**                                     Graduated 2022
*B.Tech in Electronics and Communication Engineering*                          *Greater Noida, India*

## Certifications

- Core Java – Udemy
- React.js – Udemy

## Languages

- English: Professional Proficiency
- Hindi: Professional Proficiency