

# Rahul Wadhwa

Senior Full Stack Engineer | Spring Boot | Next.js | Distributed Systems

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## PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 6 years of experience building scalable fintech and enterprise applications. Specialized in Spring Boot microservices, secure transactional systems, and modern frontend architectures using React/Next.js. Strong expertise in distributed systems, API security, CI/CD pipelines, and high-availability production systems.

## TECHNICAL SKILLS

**Backend:** Java, Spring Boot, Spring Security, JPA/Hibernate, REST APIs, Microservices, SQL Optimization

**Frontend:** React.js, Next.js, React Native, Redux, TypeScript

**Databases:** MySQL, PostgreSQL, MongoDB

**DevOps:** Docker, AWS, Jenkins, CI/CD, Git

**Messaging & Infra:** Kafka, Kong API Gateway, Nginx

## PROFESSIONAL EXPERIENCE

### Consultant – Technology Consulting | Ernst & Young (EY)

Dec 2022 – Present

Gurugram, India

- Designed and implemented Spring Boot microservices for digital banking features (DBT, DMT, Re-KYC, Lending, Debit Cards).
- Built secure transaction systems ensuring ACID compliance for ~30,000 daily users.
- Implemented role-based authentication and API security using Spring Security.
- Optimized database queries improving API performance by 20%.
- Integrated biometric authentication modules increasing onboarding by 12%.

### Software Engineer | TechAhead Corp

Mar 2021 – Nov 2022

Noida, India

- Developed 5+ React Native apps integrating 100+ APIs (Stripe, Apple Pay, Firebase).

- Designed modular frontend architecture improving maintainability and scalability.
- Implemented CI/CD pipelines and mentored junior engineers.

### Software Engineer | Grazitti Interactive

Jan 2020 – Feb 2021

Panchkula, India

- Built responsive React applications following MVC principles.
- Improved UI performance and stability using monitoring tools.

## KEY PROJECTS

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- **Airtel Payments Bank – Digital Banking Platform:** Designed scalable microservices architecture supporting DBT, DMT, lending, debit cards, and KYC workflows. Implemented secure transaction management and API security for high-volume financial operations.
- **HANY – On-Demand Home Service Platform:** [Google Play Link](#). Developed a real-time service booking platform with secure authentication, live location tracking, booking workflows, and integrated chat functionality.
- **Aquatherm FieldPro – Field Operations & Offline Sync Platform:** [Google Play Link](#). Built an offline-first mobile application with asynchronous local database storage and background synchronization to backend systems. Implemented conflict resolution strategies, timer-based workflows, and push notification systems to support distributed field operations.
- **CatchAll – Business Recommendation Platform:** Built real-time interactive UI with chat and maps integration using React Native.

## EDUCATION

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Bachelor of Technology – Computer Science & Engineering

Lingaya's Vidyapeeth | CGPA: 8.5/10