# Ansh Rastogi
## Full Stack Developer

+91 7007812109 | anshrastogi8@gmail.com | linkedin.com/in/anshrastogi8 | https://github.com/anshrastogi8

## PROFESSIONAL SUMMARY

Full Stack Developer with **2.5+ years of enterprise experience** specializing in **Java, Spring Boot, PostgreSQL**, and **React.js**. Strong experience building **API-driven React applications**, integrating them with scalable backend systems. Proven record of optimizing **high-volume APIs (1M+ records)** and improving system performance by **up to 80%** in production environments.

## TECHNICAL SKILLS

**Programming & Frameworks:** Java, Spring Boot, Spring Framework, JavaScript, Hibernate, REST APIs, JWT, Spring Cloud, Transaction Management.

**Frontend & UI:** React.js, React Native, Bootstrap, Tailwind CSS, HTML5, CSS3, TypeScript, Responsive Design.

**Databases & Tools:** PostgreSQL, MySQL, MongoDB, Redis, Postman, DBeaver, Jira, VS Code, Eclipse, IntelliJ, JUnit, Mockito

**Cloud & DevOps:** Git, Maven, Docker

## PROFESSIONAL EXPERIENCE

**Endava Solutions India Private Limited (formerly GalaxE.Solutions)**　　　　　　　　**Aug 2023 - Present**
**Developer** (Promoted: Associate → Developer)　　　　　　　　**Bangalore**

- Modernized a **legacy JSP + Oracle monolith** into a **Spring Boot + React.js + PostgreSQL** architecture, replacing server-side views with a **React-based UI**.
- Designed and delivered 3 production-grade modules (data upload, mapping, reporting) using REST APIs and React.js, improving reporting accuracy by 25%.
- Integrated React UI with Spring Boot REST APIs, ensuring **consistent state management and error handling** across workflows.
- Optimized backend pipelines processing 1M+ records, reducing execution time by 30% through algorithm refactoring and SQL query optimization.
- Reduced API response times by 66–80% using indexing, pagination, and query tuning on high-traffic endpoints.
- Minimized data corruption risks by implementing robust transactional integrity measures, including data validation checks and rollback mechanisms, resulting in zero data loss incidents this quarter.
- Maintained a high-quality codebase for distributed services by sustaining ~80% unit test coverage using JUnit and Mockito, significantly minimizing regression risks and post-production bugs by 30%.

## PROJECTS

**AI Fitness Recommendation | Spring Cloud, Kafka, Keycloak, AI Integration**

- Engineered 5+ microservices with Spring Boot and Apache Kafka for asynchronous communication, improving system resilience and reducing inter-service dependency by 40%.
- Integrated Keycloak with Spring Cloud Gateway to provide a unified security layer, leveraging JWTs to facilitate secure, authenticated communication between frontend and distributed backend services.
- Improved recommendation relevance by **~30%** and reduced data read latency by **~45%** using polyglot persistence.
- Built a **React.js frontend** using Context/Redux and lazy loading, improving initial load time by **~35%**.

**Ixigio Clone – Flight Booking Application | Java, Spring Boot, React.js, PostgreSQL**

- Built a full-stack flight booking system with 12 REST APIs supporting search, reservations, and role-based access control.
- Architected a responsive React.js UI utilizing component-based design principles and optimized client-side state management with Context API, decreasing UI load time by 66%.
- Improved backend performance by 81% (800 ms → 150 ms) using PostgreSQL composite indexing and SQL optimization.
- Ensured ACID compliance in multi-step booking workflows using @Transactional boundaries and JPA Optimistic Locking, reducing race-condition rollbacks by 20%.

## EDUCATION

KIET GROUP OF INSTITUTIONS　　　　　　　　Ghaziabad
Bachelor of Technology in Electronics and Communication Engineering　　　　　　　　2019-2023

## CERTIFICATIONS

- Docker Fundamentals - O'Reilly
- MongoDB - Developer Path
- React Native - O'Reilly