




# Shantanu Patil

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## Lead Technologist

Developer with 5 years of experience in designing and managing scalable, high-performance backend systems. Proficient in Java and Spring Boot, with expertise in modern backend architectures, microservices, and cloud infrastructure. Skilled in creating and optimizing RESTful APIs, managing databases with JPA/Hibernate, and implementing event-driven systems using tools like Apache Kafka and Cassandra. Experienced in leveraging Docker for containerized deployments, ensuring smooth scalability and integration. Strong problem-solving abilities in troubleshooting, debugging, and optimizing systems to deliver high availability and performance.

## Professional Summary

- Over 5 years of expertise in designing, building, and maintaining scalable, high-performance backend systems for diverse industries.
- Adept at implementing event-driven architectures for real-time data processing and asynchronous communication. Skilled in leveraging Apache Kafka for reliable messaging and event streaming, ensuring efficient handling of high-throughput data workloads.
- Committed to writing reliable and testable code with extensive experience in unit testing using frameworks like JUnit and Mockito, ensuring high code quality and preventing production issues.
- Proven ability to lead projects from concept to completion, ensuring alignment with business requirements and delivering robust, production-ready solutions.
- Comprehensive experience with both relational and NoSQL databases, including JPA/Hibernate for efficient ORM and Apache Cassandra for distributed, scalable database solutions.
- Extensive experience in designing and optimizing RESTful APIs, focusing on scalability, security, and performance.
- Expertise in designing and optimizing complex queries to improve database performance and ensure data integrity.

## Skills & Core Competencies

### **Programming Languages & Framework**

Java, Spring Boot, JPA/Hibernate, Spring Security

### **Other**

Apache Kafka, Apache Cassandra, *Unit Testing*, *Push Notifications*, *Git*, *Redis*


### **Libraries and Architecture**

*MVVM*, *MVP*, *RxJava*, *REST API*

## **Experience**

### **Lead Technologist**

07/2021 – present  
Nagpur

Kratin 

- Delivered high-quality products on time by effectively managing a team of 8 developers, ensuring alignment with deadlines and business goals.
- Integrated event-driven systems with Apache Kafka to enable real-time data processing and improve system responsiveness.
- Optimized overall system performance by fine-tuning database queries, indexing, and incorporating Redis for caching, resulting in faster data retrieval and reduced load on primary databases.
- Spearheaded the design and implementation of a multi-module backend architecture, resulting in a 20% increase in code maintainability and reusability.
- Handled complex SQL queries to extract, manipulate, and correlate large datasets, optimizing database interactions for high-performance systems.

### **Software Engineer (Android Developer)**

07/2019 – 07/2021  
Nagpur

GlobalLogic Inc. 

- Enhanced application performance by 10% by optimizing Room database queries and implementing Dependency Injection.
- Improved application performance by optimizing database access and reducing loading times through better use of Dependency Injection (Dagger) and asynchronous operations.
- Collaborated with cross-functional teams to design and integrate new features, ensuring alignment with client requirements and business goals.
- Integrated third-party libraries and push notifications to enhance app functionality and improve user engagement.

## **Education**

### **Bachelor of Engineering**

05/2015 – 05/2019  
Ramtek

Kavikulguru Institute of Technology and Science

- Awarded for Scoring Highest and Second Highest Marks in two different semesters
- **CGPA:** 8.41 (Honors)

## **Awards**

### **Spot Award**

GlobalLogic Inc

Certificate of Appreciation for outstanding performance in a month.