

Bishakha Kumari Shaw

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Bengaluru, India

Summary

Backend Software Engineer at **Digit Insurance** building scalable **Java/Spring Boot microservices** for high-reliability insurance workflows. Improved **API latency by 30% (P95)** through query optimization and indexing, automated underwriting pipelines using **Kafka** and **Camunda BPM**, and supported production systems with **99.9% uptime**. Experienced in backend development, REST APIs, CI/CD, and production debugging in Agile environments.

Technical Skills

Languages: Java (8/17/21), SQL, JavaScript, Python (basic), Dart

Backend: Spring Boot, Spring Cloud, Spring Security, Hibernate, REST APIs, Microservices, JWT, OAuth2

Databases & Messaging: MySQL, PostgreSQL, IBM DB2, Redis, Apache Kafka, Azure Service Bus

Tools & Cloud: Docker, Jenkins, Git, Maven, Linux, AWS (EC2, S3), Dynatrace, CI/CD

Core CS: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Object-Oriented Programming, System Design, Multithreading, Concurrency

Experience

Digit Insurance

Software Engineer

Jul 2025 – Present

Bengaluru, India

- Reduced **API latency by 30% (P95)** by refactoring complex **MySQL/DB2** queries, introducing composite indexes, and tuning JPA fetch strategies on large datasets.
- Built event-driven underwriting and notification pipelines using **Apache Kafka** and **Camunda BPM**, reducing end-to-end workflow processing time by **40%**.
- Maintained **99.9% production availability** using **Dynatrace** observability, distributed tracing, proactive alerting, and rapid Root Cause Analysis during incidents.
- Developed **Java 21** and **Spring Cloud microservices** supporting high-reliability insurance workflows across production services.
- Collaborated with backend and product teams to deliver production features within Agile sprint deadlines, including code reviews, unit testing (**JUnit, Mockito**), and Jenkins CI/CD deployments.

Next24tech Technology & Services

Software Developer Intern

Jul 2024 – Aug 2024

Remote

- Built a location-aware travel application using **Flutter** and the **Google Maps API**, integrating geolocation, route rendering, and REST API consumption.
- Improved UI responsiveness by **20%** using reusable widgets and the **Provider** state management pattern.

Projects

Life Insurance Platform

Enterprise Project @ Digit

- Developed backend modules powering the full **quote-to-policy** lifecycle for thousands of customers, integrating **Kafka** event streams with **Camunda BPM** workflows for automated underwriting and notifications.
- Implemented real-time **KYC** verification and **e-NACH** mandate registration for automated premium collection workflows.
- **Tech:** Java 21, Spring Boot, Hibernate, Kafka, Camunda BPM, Redis, IBM DB2, Azure Service Bus.

Matrimony App — Backend System

[GitHub](#)

- Built a matchmaking backend using **Strategy** and **Factory** design patterns for pluggable scoring logic and secured APIs using **JWT authentication** and **Spring Security**.
- Optimized dynamic profile filtering using **Hibernate Criteria API**, achieving **sub-100ms** response time for multi-attribute searches.
- **Tech:** Java, Spring Boot, MySQL, Hibernate, JWT, Spring Security, REST APIs.

Rahaagir — Real-time Travel Planner

[GitHub](#)

- Built a cross-platform travel planner with live trip synchronization using **Firebase Firestore** and **Google Maps API**.
- **Tech:** Flutter, Firebase, Cloud Firestore, Google Maps API.

Education

Hindustan College of Science and Technology, Mathura, UP

Bachelor of Technology in Information Technology

2021 – 2025

CGPA: 7.2 / 10

M.K. DAV Public School, Medininagar, Jharkhand

Class XII — CBSE (Senior Secondary)

2019 – 2021

Percentage: 84.60%

M.K. DAV Public School, Medininagar, Jharkhand

Class X — CBSE (Secondary)

2019

Percentage: 89.00%

Achievements & Leadership

- **Technical Event Coordinator:** Led planning, problem curation, and evaluation of coding competitions for **500+** students.
- **Team Captain — Volleyball:** Led the college team to a championship title, demonstrating leadership and collaboration under pressure.
- **DSA & Problem Solving:** Practiced data structures and algorithms across graphs, trees, dynamic programming, and hashing.