

# NIRANJAN SANKESHWARI

## Java Backend Developer

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### SUMMARY

Backend engineer specializing in scalable Spring Boot systems, caching, and distributed architectures. Experienced in building production-grade applications using Redis, Kafka, and AWS, with proven impact including 70% latency reduction and reliable handling of high-frequency workloads.

### EXPERIENCE

#### Dyashin TechnoSoft Pvt Ltd.

02/2026 – Present | Bengaluru

##### Java Developer Intern

- Developed and optimized RESTful APIs using Spring Boot, improving validation, error handling, and overall backend reliability
- Wrote and tuned MySQL queries to improve data retrieval performance and reduce latency
- Designed modular backend components using Spring Security and OOP principles for maintainable code
- Contributed to feature delivery in Agile sprints using Git-based workflows and code reviews

### SKILLS

**Languages:** Java, Python

**Backend:** Spring Boot, Spring MVC, Spring Security, Spring Data JPA, RESTful APIs, JWT Authentication

**Databases:** MySQL, PostgreSQL, Redis

**Caching & Messaging:** Redis, Kafka, RabbitMQ

**Cloud:** AWS (EC2, S3, RDS, IAM), Docker, Docker Compose

**Tools:** Git, Maven, Postman

**Testing:** JUnit, Mockito

### PROJECTS

#### Quizze

- Built a full-stack quiz platform using **Spring Boot, PostgreSQL, and Redis**, implementing **JWT**-based authentication and **RBAC (Admin/User)** with a clean, scalable backend architecture.
- Designed end-to-end quiz workflows (creation, timed attempts, auto-evaluation, leaderboards), handling 100+ daily submissions reliably.
- Designed **event-driven architecture using Kafka** to process asynchronous notifications and improve system resilience
- Improved API response time by **~60% (300ms → 120ms)** using Redis caching for high-read endpoints.
- Implemented observability with **Prometheus and Grafana** to monitor latency, throughput, and cache performance.

#### SnapURL

- Built a URL shortening platform using **Spring Boot, React, MySQL, Redis, and RabbitMQ**, supporting secure link creation, redirection, and analytics.
- Designed backend APIs with **JWT authentication, refresh token flow, OTP-based password reset**, and collision safe short URL generation with custom alias validation.
- Reduced **API response latency by ~70% (160ms → 90ms)** using Redis, and implemented **API rate limiting** and **login throttling**.
- Implemented **asynchronous analytics pipeline using RabbitMQ**, decoupling click tracking from request handling
- Deployed on **AWS EC2 with Docker and Nginx**, configuring HTTPS, DNS, and reverse proxy for production access

#### Whisprly

- Built a **real-time chat backend** using Spring Boot and **WebSocket/STOMP**, enabling low-latency messaging with typing indicators, presence tracking, and unread updates for concurrent users.
- Implemented secure authentication with **JWT access tokens, refresh-token rotation and revocation**, and **Google OAuth** integration using Spring Security.
- Engineered distributed state management using **Redis for presence/session** handling and PostgreSQL for persistent message and user data.
- Applied **Flyway-based schema versioning, event-driven processing, centralized exception handling, and observability** to improve system reliability and maintainability.

### EDUCATION

#### BE in AI and Data Science

2022 – 2026 | Bangalore, India

East West Institute of Technology (EWIT)

GPA 8.3/10