

NYAZUL ANSARI

Software Engineer · Java / Spring Boot · React · Event-Driven & Multi-Tenant SaaS

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SUMMARY

Software Engineer with ~2 years building and running production multi-tenant SaaS on **Java 21**, **Spring Boot 4** and **React 19**. Lead engineer (140+ of 151 commits) of **Praxitoz**, a live GUI-based, no-code workflow platform where businesses design their own data models, forms, automations and dashboards. Owns it end to end: backend architecture, Kafka pipelines, authorization, React UI, Android app, CI/CD and production ops.

TECHNICAL SKILLS

Languages	Java 21, TypeScript, JavaScript, SQL, Bash
Backend	Spring Boot 4, Spring Security, Spring Modulith, Spring Data JPA / Hibernate, Spring Cloud (Gateway, Eureka, Config), Spring AI, REST, OpenAPI, SSE
Frontend & Mobile	React 19, Next.js, TanStack Query, Zustand, React Hook Form + Zod, Tailwind CSS, Radix UI, dnd-kit, Recharts, Three.js, Capacitor (Android)
Data & Messaging	PostgreSQL (JSONB), Liquibase, Redis (cache, pub/sub), Apache Kafka (KRaft, DLQ), MongoDB
Cloud & DevOps	AWS (S3, EC2), Docker, Nginx, GitHub Actions, Linux admin (systemd, firewalls), Terraform, Sentry
Testing	JUnit 5, Spring Modulith tests, Vitest, Playwright, Postman

PROFESSIONAL EXPERIENCE

Software Engineer — YSM Infosolution, Nashik Jun 2025 – Present

Praxitoz (Generic Workflow) — no-code workflow & app-building platform, live at praxitoz.com *Spring Boot 4, Spring Modulith, Kafka, PostgreSQL, Redis, React 19, TypeScript, Capacitor*

- Building a **GUI-driven, no-code platform**: tenants define their own record schemas (14 field types, JSONB), drag-and-drop forms with public links, rule-based automations and dashboards, with no developer or redeploy.
- Architected a **25-module Spring Modulith** backend (49 entities, 200+ REST endpoints); boundaries are verified on every build and cross-module side effects flow as domain events through a **transactional outbox**.
- Built the **event-driven automation engine**: 8 filterable triggers (record, field, tag, note, call) driving 4 actions, run asynchronously over **Kafka** with idempotent consumers, retries, a replayable dead-letter queue and a loop guard.
- Designed fine-grained **RBAC/ABAC: 71 permission keys across 20 resource types** (roles, resource-scoped and per-user grants) via a custom Spring Security permission evaluator on `@PreAuthorize`.
- Shipped **telephony end to end**: Exotel click-to-call with webhooks and a reconciliation job, plus SIM calling from a Capacitor Android app via FCM push; live call status streams over **SSE fanned out through Redis pub/sub**.
- Built **subscription billing** (entitlements, atomic concurrency-safe usage metering, RFC 9457 errors) and a **drag-and-drop dashboard builder** (11 widget types, 12 data sources, per-role/user visibility).
- Run production** on a Linux VPS (Docker, Nginx, GitHub Actions, Liquibase, Sentry). Traced a host-wide outage recurring every ~5 days to zombie processes from a Kafka healthcheck exhausting the kernel task table; fixed it and added systemd alerting.
- Grew backend tests from **22 to 235** (+90 frontend); mentor interns through an issue → branch → PR review workflow; plan and review AI-agent-generated code.
- Client delivery**: migrated two legacy client apps (document management system with barcode-stamped versioned PDFs; jewellery ordering API) to **Docker + GitHub Actions CI/CD** on VPS.

Software Engineering Intern — YSM Infosolution, Nashik Jan 2025 – Jun 2025

PropEase — real estate management SaaS *Spring Boot, PostgreSQL, React, AWS S3, Docker*

- Built an **18-entity multi-tenant CRM** (Organization → Project → Wing → Floor → Flat) for inventory, leads, bookings and disbursements.
- Implemented JWT access/refresh auth, 30+ permission keys, **S3 storage** with presigned URLs, a PDF report engine and a nightly task scheduler.
- Led a team of 4 interns** to deliver the Follow-up Management module (entity design, audit trails, Chart.js reporting).

PROJECTS

- Developer Portfolio** — nyazulansari.dev (Next.js 15, React Three Fiber, GSAP): interactive **3D architecture visualizer** with animated workflow traces, live GitHub metrics and case studies.
- Jobgorithm** — AI job platform: 7 Spring Boot microservices (Eureka, Spring Cloud Gateway + OAuth2, Config Server, Kafka) with **AI resume parsing** (Spring AI, Apache Tika).

EDUCATION & CERTIFICATIONS

M.Sc. Computer Science — Savitribai Phule Pune University (SPPU) | CGPA: **8.8** 2024 – 2026

B.Sc. Computer Science — Savitribai Phule Pune University (SPPU) | CGPA: **8.5** 2021 – 2024

Designing Scalable RAG Pipelines — Scaler