

NUZHAT KHAN

SOFTWARE DEVELOPER | PYTHON • REACT • JAVA • AI/GENAI • POSTGRESQL • DOCKER

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PROFESSIONAL SUMMARY

Software Developer with 14 months of enterprise product engineering experience delivering 4 production RegTech platforms. Proven ability building end-to-end applications across Python, React, Java, and modern Generative AI (RAG, vector retrieval). Experienced from relational schema design (PostgreSQL) and RESTful API architecture to mobile distribution (Expo), containerization (Docker), and Azure DevOps CI/CD deployment.

TECHNICAL SKILLS

Languages: Python, Java (17/21), TypeScript, JavaScript, SQL

Frontend & Mobile: React, Next.js, Tailwind CSS, Framer Motion, Expo (React Native), HTML5/CSS3

Backend & APIs: FastAPI, REST APIs, Node.js, Spring Boot, Pydantic, SQLAlchemy, PyTest, Microservices

AI & Data Engineering: RAG, Vector Search, Qdrant, Pinecone, CLIP Embeddings, Pandas, PyMuPDF, Tabula-py

Databases & DevOps: PostgreSQL, MySQL, Supabase, Redis, Docker, Azure DevOps, Git, GitHub Actions, Linux

PROFESSIONAL EXPERIENCE

Infomatics Services Pvt. Ltd. — Software Developer

Mumbai | June 2025 – 24 July 2026

- **Novus Comply & Novus UPSI:** Engineered multi-tier trade pre-clearance engine automating reconciliation across 4 financial data feeds (ECAS/BENPOS/KFin/CAMS) and flagging 100% of restricted insider trades; implemented granular RBAC and audit logging for SEBI PIT compliance.
- **Compulse Compliance Platform:** Co-developed enterprise platform automating 67+ SEBI reporting types across 43 maker-checker workflow stages and 32+ automated email notifications; successfully transitioned into institutional client UAT.
- **CAS Statement Parser:** Developed automated desktop application (Python, Tauri, PyInstaller) extracting Demat holdings and mutual funds from unstructured CDSL statements at 98% accuracy (500+ statements/month), saving 10+ hours/week.
- **Employee Operations Portal:** Built operational management platform for 50+ employees with real-time balance dashboards and configurable approval workflows, cutting HR processing overhead by 60%.

FEATURED PROJECTS (PYTHON • AI/ML • JAVA)

Biometric Attendance & Payroll Engine — [attendance-sigma-one.vercel.app](#)

FastAPI • React • Supabase • Expo • ZKTeco SDK

- Deployed hardware-integrated biometric tracking system for 8+ eye hospital staff with real-time ZKTeco SDK sync, automating 30-day payroll cycles, overtime, leave accruals, and PDF payslips; reduced monthly processing time from 2+ hours to under 30 minutes.

FashionGallery — Multimodal Semantic Search — [github.com/Naazkn13/FashionGallery](#)

Python • FastAPI • CLIP • Qdrant • RAG • Docker

- Built an AI visual/textual discovery engine utilizing OpenAI CLIP embeddings to generate joint image-text similarity vectors indexed in Qdrant vector database; added explainable RAG layer to communicate match confidence scores via asynchronous FastAPI endpoints.

Java QR Attendance & Management Platform — [github.com/Naazkn13/java-qr-attendance-system](#)

Java • Swing • MySQL • JDBC • QR Processing

- Engineered an attendance tracking desktop application using Java Swing and MySQL with JDBC connection pooling, generating dynamic QR tokens for touchless identity verification and exportable attendance reports.

EDUCATION

BSc in Information Technology — Bhavan's College, Mumbai University

2021 – 2024

CERTIFICATIONS

Advanced Program in Java Full Stack Development — DVOC Institute (Skill India / NSDC)

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