

Shahriyar Khan

Software Engineer | Python/Django Backend Systems & Full-Stack Product Delivery

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PROFESSIONAL SUMMARY

Software Engineer specializing in Python, Django/DRF, REST APIs, PostgreSQL, and backend-heavy full-stack product delivery. Builds authenticated systems, role-aware workflows, SaaS and EdTech products, background processing with Redis/Celery, and React/Next.js interfaces, backed by testing, CI/CD, Docker, cloud deployment, and production troubleshooting.

TECHNICAL SKILLS

Python, Django, Django REST Framework (DRF), REST APIs, FastAPI, Authentication (JWT), Role-Based Access Control (RBAC), React.js, Next.js, TypeScript, JavaScript, PostgreSQL, Database Design, Redis, SQL, Software Architecture, Software Testing, Continuous Integration and Continuous Delivery (CI/CD), Pytest, Git, GitHub, Postman, Docker, API Integration, Cloudflare Workers, Railway

PROFESSIONAL EXPERIENCE

Software Engineer (Contract) — TriCore Digital Tech | Jul 2026 - Present

- Develop Python/Django backend services, REST APIs, authenticated workflows, and product features
- Work across data models, validation, authentication, permissions, testing, and deployment preparation
- Engineer the private Nurses Beyond Borders NCLEX/LMS platform through requirements, implementation, and hardening

Software Developer — HA Technologies (Pvt) Ltd | Jul 2025 - Apr 2026

- Contributed to backend and frontend development using Python and React
- Worked through technical problems and changing implementation requirements
- Collaborated with the development team and incorporated feedback into delivery

Python Developer Intern — CodeAlpha | Feb 2025 - May 2025

- Developed Python desktop applications with PyQt5 and Tkinter
- Implemented event-driven workflows and third-party API integrations

Web Developer Intern (Team Lead) — Abasyn University Incubation Center | Sep 2024 - Feb 2025

- Built application functionality with Django and REST APIs
- Led development tasks and coordinated implementation work

SELECTED PROJECTS

Nurses Beyond Borders — NCLEX Learning & Exam Preparation Platform

- Private NCLEX learning and assessment platform covering question-bank/NGN workflows, timed attempts, learning progress, analytics, subscriptions and entitlements, study planning, administration, testing, and deployment preparation.

Tech: Celery, Django, Django REST Framework, Docker, JWT, Next.js, PostgreSQL, Python, React.js, Redis, TypeScript

Live: <https://nbb-lms.vercel.app/> | GitHub:

<https://github.com/Shahriyar-Kh/Shahriyar-Kh/blob/main/case-studies/nbb-lms.md>

Yango Wing Fleet — Driver Registration & Fleet Operations Platform

- Full-stack driver onboarding and fleet operations platform with public registration and inquiry workflows, staff-protected APIs, admin operations, analytics, filtering/search, status management, offers/trip bonuses, email workflows, and CSV exports.

Tech: Django, Django REST Framework, JWT, PostgreSQL, Python, REST APIs, React.js, TypeScript, Vite

Live: <https://yango-wing-fleet.vercel.app/> | GitHub: <https://github.com/Shahriyar-Kh/yango-wing-fleet>

NoteAssist AI — AI-Assisted Learning & Productivity Platform

- Learning and productivity platform for structured notes, AI-assisted generation and summarization, saved outputs, Google OAuth/Drive integration, plans/quotas, exports, dashboards, administration, and background processing.

Tech: Celery, Django, Django REST Framework, Google OAuth, Groq API, JWT, PostgreSQL, Python, React.js, Redis

Live: <https://noteassistai.vercel.app/> | GitHub: https://github.com/Shahriyar-Kh/noteassist_ai

Shahriyar Khan — Full-Stack Portfolio & AI Assistant Platform

- Full-stack professional portfolio platform with dynamic content, complete administration, project/service management, SEO/JSON-LD, a grounded AI assistant, structured client project discovery, CV management, and controlled PDF/DOCX exports.

Tech: AI Integration, Cloudflare Workers, Django, Django REST Framework, Next.js, PostgreSQL, Python, Railway, React.js, Tailwind CSS, TypeScript

Live: <https://shahriyarkhan.com/> | GitHub: <https://github.com/Shahriyar-Kh/shahriyarkhan-portfolio-v1>

SK LearnTrack — Full-Stack Learning & Course Management Platform

- Learning and course-management platform with Course → Chapter → Topic structure, admin course authoring, enrollment/progress, quizzes, notes, bookmarks, roadmaps, analytics, and Groq-powered AI-assisted learning.

Tech: Django, Django REST Framework, Groq API, JWT, PostgreSQL, Pytest, Python, React.js, Redux Toolkit, Tailwind CSS

Live: <https://sk-learntrack.vercel.app/> | GitHub: https://github.com/Shahriyar-Kh/SK_LearnTrack

TechBuilt Open School — Multilingual Education Platform & Operational LMS

- Next-generation multilingual education platform and operational-LMS foundation in Phase 1 active development, with API-first modular-monolith architecture, checked OpenAPI contracts, multilingual/RTL foundations, identity/authorization direction, structured logging, testing, CI, and security automation.

Tech: Celery, Django, Django REST Framework, Docker, GitHub Actions, Next.js, OpenAPI, PostgreSQL, Python, React.js, Redis, TypeScript

Live: <https://techbuiltos.online/> | GitHub: https://github.com/Shahriyar-Kh/TechBuilt_OS

EDUCATION

BS Software Engineering — Abasyn University, Peshawar | Sep 2021 - Jun 2025