

Saifullah Shahren

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Profile

Motivated and detail-oriented **Software Developer** with **over 2 years of professional experience** at **REPLIQ Limited**, specializing in **backend** and **full-stack development**. Skilled in **Python, Django, FastAPI, React, Next.js, and PostgreSQL**, with strong expertise in designing scalable **RESTful APIs**, implementing authentication, and optimizing databases using **Django ORM** in PostgreSQL.

I possess solid **SQL knowledge**, which enables me to work flexibly with the ORM for efficient query optimization. Experienced with **Celery, WebSockets**, and integrating **Redis, Elasticsearch**, and **Docker** for high-performance solutions. Currently pursuing a Master's in **Artificial Intelligence and Data Analytics** at **Hochschule Neu-Ulm**, and seeking a **part-time or Full-time opportunity** to contribute technical expertise.

Core Skills

Languages: Python, JavaScript, SQL

Backend: Django, Django Rest Framework, FastAPI, REST API Design

Async/Integration: Celery & task queues and schedules, WebSockets (real-time)

Datastores: PostgreSQL, Redis, Elasticsearch

Frontend: React, Next.js, Vuejs, Tailwind CSS

DevOps & Ops: Docker, Linux (Ubuntu), Nginx basics, Git, CI/Test environments

Testing: Pytest

Work Experience

Software Developer

Dec 2022 – Feb 2025

REPLIQ Limited, Dhaka, Bangladesh

- Engineered and deployed production-grade APIs using **Django, Django Rest Framework**, and **FastAPI**, with structured **REST API design**, versioning, and **JWT-based authentication/authorization**, reducing bug rates by 40% and optimizing query performance through indexing and pagination.
- Implemented **Celery task queues, scheduled jobs, and background processing** for large-scale data workflows; built **WebSocket-based real-time features** such as notifications and live updates.
- Designed efficient **PostgreSQL schemas** with constraints, migrations, and indices; applied **Redis** for caching and queues; integrated **Elasticsearch** for full-text search and intelligent features like recommendations and trend forecasting.
- Collaborated with the frontend team to deliver seamless user experiences using **React, Next.js**, and **Tailwind CSS**, maintaining clean JSON contracts, robust error handling, and responsive design principles.
- Containerized microservices with **Docker**, configured **Linux/Nginx basics**, and contributed to secure deployments by implementing **logging, monitoring, and secrets management**; supported **CI/CD pipelines** and test environments.
- Used **Git and GitHub** extensively for **version control** and **collaborative code management**. Acted as an **active Pull Request reviewer** with **merge permissions** to the main branch, responsi-

ble for conducting **weekly PR reviews**, ensuring smooth integration, maintaining code quality, and minimizing bugs in production.

- Worked in an **Agile/Scrum** environment with **trunk-based delivery**, actively participating in sprint planning, peer reviews, and continuous improvement cycles.
- Held **server access permissions** to manage production deployments after successful testing on the staging server. Responsible for **pulling merged code** to the production environment, performing **server reloads**, and monitoring **weekly database backups** (automated via Celery). Actively managed both **testing and production servers** to ensure smooth weekly feature updates and stable releases.

Selected Projects

HealthOS — B2B Pharmaceutical Ordering & Delivery System — <https://healthos.io/>

A large-scale B2B platform in Bangladesh that connects distributors, marketing agents, and pharmacies through web and mobile ordering. Pharmacies can place orders directly or through marketing representatives, with real-time delivery tracking, predictive stock forecasting, and internal dashboards for operations. I led backend development for core modules including **Order**, **Product Management**, and **Stock**, focusing heavily on **SQL optimization** and performance tuning. Utilized **Elasticsearch** for fast product search and ad placement, and integrated messaging via WhatsApp/phone APIs. *Stack: Django, DRF, PostgreSQL, Celery, Redis, Elasticsearch, WebSockets, Docker, Next.js, Tailwind CSS*

HRPro — Video Interview Platform — <https://www.prohr.io/>

Built an AI-powered video interview platform with ATS integration, handling the full hiring process from online application to recruitment. The system supports dynamic interview templates with randomized questions, automated online interviews, segmented video reviews, and role-based access for internal reviewers. Developed with a **Django-Next.js** architecture using **Tailwind CSS**, **Twilio** for video, **WebSockets** for real-time features, and **Celery** for task scheduling, alongside internal tools for workflow management. *Stack: Django, DRF, PostgreSQL, Celery, Redis, Twilio, WebSockets, Docker, Next.js, Tailwind CSS*

Pharmik (B2C Pharmaceutical System) — <https://www.pharmik.xyz/>

Built from scratch as a sub-branch of HealthOS to enable pharmacists to purchase products directly from distributors. Led the backend development with a team of four developers in a startup environment, collaborating on architecture design, code reviews, and client requirement analysis, while also communicating directly with clients to refine and deliver features. *Stack: Django, DRF, PostgreSQL, Celery, Redis, WebSockets*

Education

M.Sc. Artificial Intelligence and Data Analytics Hochschule Neu-Ulm, Germany	Sep 2025 – Present
M.Eng. Computer Engineering for IoT Systems Hochschule Nordhausen, Germany	Oct 2024 – Aug 2025
B.Sc. Computer Science and Engineering Bangladesh University of Business and Technology, Bangladesh	2017 – 2021

Awards

Employee of the Month (x2) & Team of the Month — REPLIQ Limited (2024)

Languages

English (Fluent) | German (Beginner, learning) | Bengali (Native)