

Tanvir Hossen

PYTHON DEVELOPER · BACKEND DEVELOPER

shafipur, gazipur-1751

+880 1902362640 | tanvir.hossain.dev@gmail.com | www.tanh.me | whitedevil-141 | tanh-me

Summary

Backend Developer specializing in scalable multi-tenant REST API systems using Python. Strong expertise in secure authentication (JWT, OAuth, RBAC), Redis caching, rate-limiting, cloud deployment, and production ready architectures. Focused on building reusable backend foundations for SaaS-style applications with performance and security in mind.

Skills

Backend Development	Python, REST API Design, FastAPI
Authentication & Security	JWT, OAuth2, RBAC, API Keys, Rate Limiting
Databases	PostgreSQL, MySQL, MongoDB
Caching	Redis
Deployment	CI/CD Pipelines, Reverse Proxy
Cloud Platforms	Google Cloud Platform (GCP), Microsoft Azure
Automation	Web Scraping, Workflow Automation
Version Control	Git, GitHub

Experience

Backend Developer (Python)

INDEPENDENT PROJECTS

2023 – Present

- Built scalable RESTful APIs using Python and FastAPI for production-ready backend systems
- Designed and implemented multi-tenant backend architecture for SaaS-style applications
- Integrated secure authentication and authorization using JWT, OAuth2, API Keys, and RBAC
- Optimized performance with Redis caching and API rate limiting
- Implemented asynchronous background processing to improve system efficiency.

Education

Bachelor of Business Administration (BBA) in Finance

NATIONAL UNIVERSITY

Gazipur, Bangladesh

2025 - Ongoing

Higher Secondary Certificate (HSC) in Business Studies

DHAKA BOARD | GPA: 3.92

Gazipur, Bangladesh

2024

Secondary School Certificate (SSC) in Business Studies

DHAKA BOARD | GPA: 3.94

Gazipur, Bangladesh

2022

Projects

NSGH Hospital Backend API System

PYTHON, FASTAPI, MYSQL, JWT

api.nsgkbd.com

2025

- Designed and developed a RESTful backend API for hospital operations including doctors, staff, and public information modules
- Implemented OAuth2 password flow authentication with JWT-based secure endpoints and protected CRUD operations
- Built structured MySQL data models for doctors, staff, contact submissions, and public API responses with validation schemas
- Developed multipart file upload handling for doctor and staff profile images

Harvest Bot Backend API Platform

api.harvestbot.app

PYTHON, FASTAPI, REST API, PAYMENT INTEGRATION, API KEY

2025

- Developed backend APIs for payment session handling, license generation, and automated user provisioning
- Implemented secure admin endpoints using API key authentication for session management and resource control
- Built real-time system statistics endpoints tracking runtime, users, and in-app resource metrics
- Designed structured validation schemas for payments, licensing, and session lifecycle management

Multi-Tenant SaaS Backend (Main Project)

Private Repo (Available on request)

PYTHON, FASTAPI, REDIS, MULTI-TENANT, RBAC, JWT, RATE LIMITING

- Developed multi-tenant backend with tenant/user/admin management, JWT auth (access/refresh), and RBAC
- Implemented domain-based tenant routing + Redis rate limiting/caching for secure, scalable SaaS foundations