Hafiz Muhammad Furqan Azhar

Full-Stack Developer | Backend Focus

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PROFESSIONAL EXPERIENCE

Full Stack Developer (Contract)
May 2026 - Present

Contract Based Work

- Built Express/Prisma/PostgreSQL APIs for accounts, booths, job applications, coins, and user progression.
- Added messaging, Redis/Socket.IO presence, room-capacity checks, and a React-to-Unity launch-ticket bridge.
- Added Docker build stages, Prisma migrations, automated tests, and OpenAPI documentation.

Backend Developer
Oct 2025 - Apr 2026

Zweidevs (Pvt) Ltd | Tranero

- Owned Tranero's backend: account access, subscriptions, administrative APIs, and invoice-management workflows.
- Integrated Odoo, QuickBooks, ERPNext, Microsoft Dynamics, and the Nigerian NRS service.
- Connected self-hosted Frappe Helpdesk for ticketing.

Freelance Data Mining Specialist
Oct 2024 - Jan 2025

Remote

- Developed site-specific Scrapy/BeautifulSoup spiders and source-text extraction workflows.
- Public processing examples include JSON field checks and ordered CSV export.

Web Development Intern
Jul 2022 - Aug 2022

TechAbout Private Limited

- Supported frontend and backend development under senior developer guidance.

TECHNICAL SKILLS

Backend / data: Node.js, Express, Prisma, Django, Django REST Framework, FastAPI, Flask, Celery, PostgreSQL, Redis, Socket.IO

Invoice / compliance: Odoo, QuickBooks, ERPNext, Microsoft Dynamics, Nigerian NRS, Frappe Helpdesk

Product interfaces: React, TypeScript, Next.js, TanStack Router, Tailwind CSS

Build / verification: Docker, Git, Prisma Migrations, Automated Tests, Playwright, OpenAPI

Python / vision: Python, PyTorch, Ultralytics YOLO, OpenCV, NumPy

Extraction / processing: Scrapy, BeautifulSoup, Python csv/json

SELECTED PROJECTS

Floor-plan Vectorization & Room Segmentation. FastAPI room segmentation and React canvas; separate Flask/PyTorch line-inference wrapper.

Preference-Oriented Fixed-Priority Scheduler. Python task models, priority assignment, ready/delay queues, promotion events, and traces.

Web Extraction & Structured-output Pipelines. Site-specific Scrapy/BeautifulSoup extraction; JSON field checks and ordered CSV export examples.

EDUCATION

Master of Science in Computer Science (In progress)
2025 - 2027

National University of Computer and Emerging Sciences (NUCES)

Bachelor of Science in Computer Science
2021 - 2025

COMSATS University Islamabad

CERTIFICATIONS

Crash Course on Python (Google (Coursera), Nov 2025); Using Python to Interact with the OS (Google (Coursera), Nov 2025); Understanding Prompt Engineering (DataCamp, Mar 2026); Writing in the Sciences (Stanford University, Mar 2026); AI Ethics (DataCamp, Apr 2026)