

SALOHIDDIN YO'LDOSHEV

Data Engineer

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PROFILE

Data engineer with hands-on experience building a full data warehouse end to end, from raw ingestion to BI reporting, using a bronze-silver-gold medallion architecture. Comfortable across the pipeline: orchestration, transformation in PySpark and Pandas, SQL, and star-schema design. Also builds and ships production backend systems in Python (REST APIs, PostgreSQL schema design, third-party integrations), which gives a practical understanding of how source data is produced, not just how it moves between layers. Works day to day with Git, Docker and CI/CD.

CORE SKILLS

Data Engineering	Microsoft Fabric (Pipelines, Dataflows, Notebooks), medallion architecture (bronze-silver-gold), star-schema design, PySpark, Pandas
Programming	Python (OOP), SQL, JavaScript / TypeScript
Databases	PostgreSQL (schema design, indexing, query tuning, full-text search), Redis, InfluxDB
Backend & APIs	FastAPI, Django, REST API design, JSON, SQLAlchemy, Alembic
BI & Reporting	Power BI, Power Automate
Cloud & Tooling	AWS Certified Cloud Practitioner, Docker & Docker Compose, GitHub Actions (CI/CD), Nginx, Linux, Git & GitHub, pytest

EXPERIENCE

Full-Stack Developer, Tong Yulduzi

Freelance, 2026

[Python](#), [FastAPI](#), [PostgreSQL](#), [Redis](#), [Docker](#), [Nginx](#) | tongyulduzi.uz

- Built the FastAPI backend and PostgreSQL schema (SQLAlchemy models, Alembic migrations) for a national newspaper's website and publishing system, including REST APIs for articles, media and the issue archive.
- Built full-text search across the whole article archive on PostgreSQL, using tsvector columns with GIN indexes and ts_rank scoring, tuned against what editors and readers were actually searching for.
- Improved page load times by caching high-traffic pages in Redis and adding the indexes that slow queries were missing, measuring timings before and after each change.
- Set up CI/CD with GitHub Actions: pytest runs against a throwaway database, Docker image builds, and automatic rollback on failed health checks.
- Scheduled nightly encrypted PostgreSQL backups off the server and proved recovery with a full restore rehearsal.

Data Engineering Intern, Itransition (Remote)

June 2026

[Microsoft Fabric](#), [PySpark](#), [Pandas](#), [Power BI](#) | github.com/NeoCode-02/data_warehouse

- Built an end-to-end data warehouse in Microsoft Fabric, moving raw data through cleaning and transformation stages into a curated, analysis-ready gold layer.
- Orchestrated ingestion with Fabric Pipelines and Dataflows, and used Fabric Notebooks (PySpark, Pandas) to clean, transform and validate data between layers.
- Designed a star schema for the gold layer and built Power BI dashboards on top of it for reporting.
- Wrote a custom Python client to pull time-series data from InfluxDB into the pipeline.

PROJECTS

Pulse, Real-Time Chat & Social Platform

github.com/NeoCode-02/social-media

[FastAPI](#), [PostgreSQL](#), [Redis](#), [Docker Compose](#)

- Built the backend with FastAPI and async SQLAlchemy 2, using Alembic migrations for the database schema.
- Implemented real-time messaging with WebSockets and Redis Pub/Sub, and containerized the full stack with Docker Compose.

AuraFlix, Video Streaming Platform

github.com/NeoCode-02/AuraFlix

[FastAPI](#), [PostgreSQL](#), [Redis](#)

- Designed the backend with SQLAlchemy 2 models and wrote the SQL queries and Alembic migrations behind the schema, serving video in chunks over HTTP range requests so playback starts in a second or two.
- Moved view counts into Redis and flushed them into PostgreSQL in batches from a background worker, instead of writing on every play.

CERTIFICATIONS, TRAINING & LANGUAGES

Certifications & Training

- Itransition, Commercial Software Development: Data Engineering (2026)
- AWS Certified Cloud Practitioner Essentials
- UIC Academy, Backend Developer Course (2025)

Languages

- Uzbek: Native
- English: B2 (Upper-Intermediate)