

Usmanjon Abduraimov

Data Scientist & Analytics Engineer · Python · ML · Django · BI

🏠 Long-Term Resident of Japan (定住者 Teijūsha) — no visa sponsorship needed

🏆 Kaggle Notebooks Expert — peak global rank #1,919

✉️ abduraimovusmanjon@gmail.com
🌐 linkedin.com/in/usmanjon-abduraimov
🐙 github.com/usmanjohn
🚀 powerty.uz
📊 [Tableau · usmanjon.abduraimov](#)
📄 kaggle.com/usmanjon

Data scientist and analytics engineer who builds the whole system, not just the script: from Oracle and PostgreSQL extraction through validation, analytics and machine learning to dashboards and secure Django web applications — then deploys and documents it. 5+ years across banking, tax administration and accounting consulting in Uzbekistan and South Korea, and a KAIST Techno-MBA on a Korean Government Scholarship (GMAT 710). Most of my systems were owned and delivered solo, end to end. Looking for a data, analytics or Python backend role in Japan, inside a strong engineering team.

100%

of daily & monthly regulatory reports automated

2

analysts freed from routine manual work

>50%

less manual analysis & reporting time

12,000+

auto-graded questions in a platform I built

PROFESSIONAL EXPERIENCE

Risk Analytics & Data Platform Engineer

02/2025 – Present

Kapitalbank JSCB · Tashkent

- Designed and built, as the sole engineer, a secure internal Django analytics platform used by management and the risk department.
- Built the end-to-end pipeline: Oracle → preprocessing → validation → aggregation → analytics → dashboards → reports.
- Automated **100% of daily and monthly regulatory and management reports**, freeing **two analysts** from routine manual work.
- Delivered portfolio analytics, NPL tracking, trend and growth modelling and KPI monitoring, behind role-based access.
- Wrote the full technical and data-processing documentation. The system runs only on the bank's internal network; a demo on synthetic data is available on request.

Python · Django · Pandas · Polars · SQL · Oracle · PostgreSQL · Plotly

Data & Cost Analytics Engineer

10/2024 – 02/2025

Dasan DMC · Seoul

- Built a cost-modelling and profitability analytics system for automotive parts.
- Automated data collection, transformation and scenario analysis.
- Owned the data logic, models and analysis end to end.

Python · Pandas · SQL

Analytics Automation Engineer (Contract)

02/2024 – 10/2024

Shinhan Accounting Corporation · Seoul

- Built a Django analytics system end to end: data ingestion, validation, processing, analytics and reporting.
- Cut manual analysis and reporting time by **more than 50%**.
- Built Tableau dashboards for client scoring, portfolio quality and risk indicators.
- Owned the architecture, backend and data logic.

Python · Django · Pandas · SQL · Tableau

WHAT I BUILD

1 Extract

Oracle · PostgreSQL · MySQL

2 Clean & validate

Pandas · Polars

3 Analyse & model

statistics · scikit-learn

4 Visualise

Plotly · Dash · Tableau · Power BI

5 Ship the app

Django · auth · roles

6 Automate

scheduled reports · docs

SKILLS

Data & analytics

Python (advanced) · SQL · Pandas · Polars · NumPy · scikit-learn · Statistics & A/B testing · ETL pipelines · KPI & portfolio analytics

Backend & ops

Django (auth, sessions, roles, ORM, i18n) · PostgreSQL · Oracle · MySQL · REST-style APIs · Git / GitHub · Railway · AWS S3 · Cron & task automation

BI & visualisation

Tableau · Power BI · Plotly · Dash · Matplotlib · Report generators

Domains

Banking risk (NPL, portfolio, KPI) · Tax administration · Cost & profitability · Credit analysis · EdTech

Risk Analyst

2020 – 2021

State Tax Committee of Uzbekistan · Tashkent

- Led the digitalisation of the waybill system, from paper to online.
- Designed the data workflow logic and validation structure.
- Cut processing time by ~50% and made the process transparent.

Credit Analytics Analyst

2019 – 2020

Alokabank · Tashkent

- Prepared analytical summaries and risk indicators for 200+ loan cases.
- Developed a structured evaluation logic for credit decisions.

KEY PROJECTS

Powerty — data-driven learning platform

2026 – Present

Founder & engineer · [powerty.uz](#)

- Designed and built a bilingual (English/Uzbek) platform for GMAT, SAT, IELTS, TOPIK, Japanese and school maths: 900+ lessons, 12,000+ auto-graded questions, 800+ graded readings and timed mock exams.
- Engineered an adaptive digital-SAT simulator (module routing, raw → 400–1600 scaled scoring) and a GMAT Focus simulator on one shared exam engine.
- Built content pipelines guarded by automated “answer gates” — scripts that recompute every answer key by an independent route (brute force over fractions, state-space search) before import.
- Runs in production on PostgreSQL + Railway: a cron-driven Telegram bot, an installable PWA, full i18n, TTS audio and headless-Chrome PDF generation.

Python · Django · PostgreSQL · AWS S3 · Git/GitHub · Railway · Bootstrap · AI-assisted development (Claude Code)

Kaggle — Notebooks Expert

14 public notebooks · 5 medals · 490 forks · [kaggle.com/usmanjon](#)

- **House-price regression** (20,640 districts): treated multicollinearity with engineered ratio features, stratified split, one-hot + scaling pipeline; tuned a random forest with 5-fold grid search — R^2 0.60 (linear) → **0.72 on held-out test**.
- **Home-advantage hypothesis test** (380 Premier League matches): one-tailed two-sample t-test derived by hand and checked against SciPy — $t = 2.22$, $p = 0.013$.
- **Indonesian schools** (215,372 rows): joined census data scraped from Wikipedia, caught impossible coordinates and filtered ~3,000 to valid bounds before mapping.
- **South Korea demographics 2000–2022** (17 regions, monthly): time-series resampling showed deaths overtaking births nationwide in 2020.

scikit-learn · SciPy · Pandas · Plotly · Seaborn · Matplotlib

EDUCATION

Techno-MBA

KAIST — Korea Advanced Institute of Science and Technology
South Korea · 2022 – 2024

- › Korean Government Scholarship (GKS)
- › GMAT 710
- › Big Data Analysis, Database Management, Financial Data Analysis, Machine Learning, Business Analysis

Korean Language Program

Keimyung University
South Korea · 2021 – 2022

- › Korean Government Scholarship (GKS)
- › TOPIK Level 6 — the highest level

Bachelor of Taxation

Tashkent Financial Institute
Uzbekistan · 2015 – 2019

- › Thesis: tax strategies of the USA, Korea and Germany, applied to the Uzbek tax model

LANGUAGES

Uzbek	●●●●●
Native	
English	●●●●●
Fluent — professional	
Korean	●●●●●
Fluent — TOPIK 6	
Russian	●●●●●
Intermediate	
Japanese	●●●●●
Studying	

BEYOND WORK

- › Two-time chess champion of Syrdarya Province, Uzbekistan
- › Creator and narrator of animated educational videos (YouTube, Instagram)
- › Teaches Korean, English and mathematics