

Mo Mirzaei

Old Trafford, Manchester, United Kingdom

+44 7831449162

mo1mirzaei@gmail.com

www.momirzaei.com

Fully authorised to work in the UK

PROFILE

Think in systems, build with Python and solve with data. Experienced in using Django to build structured, reliable backends and in applying data science tools to turn raw information into insight. Comfortable working with large datasets, automating workflows and building machine learning models that actually perform. Bring a clear, focused mind to every problem, thinking through each step, making the right calls and building things that show the thinking behind them.

EMPLOYMENT HISTORY

Junior Data Engineer | Greenie Positive Limited

Manchester, United Kingdom | September 2023 – January 2024

- Designed and maintained automated ETL pipelines to ingest and transform high volume data with improved efficiency.
- Cleaned, normalized and structured external datasets using Python (Pandas, NumPy, SQL), supporting exploratory analysis and machine learning workflows.
- Built predictive models (Random Forest, SVM, Decision Trees) for internal analytics, tuning hyperparameters for optimal performance.
- Automated reporting processes and created dynamic dashboards with Matplotlib, reducing manual effort by over 60%.
- Delivered structured insight reports with export ready outputs (CSV, visual summaries) tailored for business teams.
- Collaborated with senior engineers to debug and enhance data reliability across production systems.

Data & Backend Engineer | RakhshIT Tech

Tehran, Iran | January 2022 – November 2022

- Developed backend services and custom APIs using Django and Django REST Framework to serve internal data tools.
- Designed and deployed applications to DigitalOcean using Gunicorn, Nginx, Docker and Git based CI workflows.
- Built data pipelines and automated transformation tasks, handling data cleansing, deduplication and schema normalization.
- Integrated interactive dashboards using Chart.js and Matplotlib to deliver real time insights and trend monitoring.
- Led a data migration initiative improving data accuracy and reducing query response time.
- Partnered with analysts and stakeholders to deliver data driven solutions aligned with business goals.

Backend Developer | Pariz Groupe

Tehran, Iran | January 2021 – January 2022

- Engineered robust backend systems using Django and FastAPI, exposing secure RESTful APIs for internal and third party applications.
- Implemented user authentication using JWT and OAuth2, enforcing granular role based access controls.
- Deployed and scaled applications via DigitalOcean, using Nginx and Gunicorn for high availability and performance.
- Managed full deployment stack: domain setup, SSL certificates, reverse proxy and CI/CD pipelines using Git and Docker.
- Integrated cloud services including storage providers and payment gateways into platform architecture.
- Conducted code audits and performance tuning to improve reliability, response time and system security.

TECHNICAL & LEADERSHIP SKILLS

- **Programming & Web Development**
Python, SQL, JavaScript (ES6+), Django, Django REST Framework, FastAPI, HTML/CSS
- **Data Engineering & Analytics**
Pandas, NumPy, ETL Pipelines, Matplotlib, Chart.js, Data Cleaning, Exploratory Analysis, Insight Reporting, CSV Export Automation
- **Backend & API Engineering**
RESTful APIs, JWT Authentication, OAuth, PostgreSQL, SQLite, MySQL, Optimized Query Design, Role-Based Access Control
- **DevOps & Deployment**
Git (GitHub), CI/CD (GitHub Actions), macOS/Linux Terminal, Docker, Docker Compose, Gunicorn, Nginx, Domain + DNS Management, SSL, DigitalOcean (Droplets), Render (PaaS), Production Debugging
- **Visualization & UI Integration**
Interactive Graphs (Chart.js, Line/Radar/Donut), Dynamic Dashboards, User Driven Filtering, Timeline Components
- **Systems Thinking & Automation**
Workflow Design, Reporting Automation, Full-Stack Data App Architecture, Cloud Integration, Secure Production Delivery
Strong ability to adapt to new technologies and tools quickly to deliver impact.

EDUCATION

BSc Computer Science | Lancaster University

Manchester, United Kingdom | April 2025

SOFT SKILLS

- Critical Thinking & Problem Solving
- Strategic Execution & Decision Making
- Rapid Learning & Adaptability
- High Performance Mindset
- Persuasive Communication & Influence
- Resilience & Mental Strength

REFERENCES

Available upon request.