Mo Mirzaei

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Fully authorised to work in the UK

PROFILE

Builds complete, data driven systems from concept to deployment. Experienced across the full development stack, turning raw information into reliable software that collects, processes and delivers insight with clarity and speed.

Combines a strong foundation in backend engineering, data architecture and Django based development, connecting structure, logic and design to create secure, scalable applications. Thinks in systems, plans carefully, builds with precision and adapts quickly to new tools, taking ideas from zero to real world impact.

EMPLOYMENT HISTORY

Full Stack Data & Insights Engineer | Greenie Positive Limited

Manchester, United Kingdom | September 2023 - January 2024

- Planned and built a full data intelligence platform from concept to deployment, integrating Django REST APIs with a modern React interface for real time analytics.
- Engineered automated data pipelines to extract, validate and prepare structured datasets applying advanced cleaning logic for consistency, type integrity and statistical balance before loading curated data into PostgreSQL for analytics and modeling.
- Designed clear, reusable API structures that powered dashboards, reports and forecasting tools
 ensuring predictable responses and fast query times.
- Developed interactive React dashboards that visualized KPIs, salary insights and performance metrics, implemented client side filtering and smooth asynchronous updates.
- Integrated machine learning features for trend prediction and anomaly detection, exposing model outputs through secured REST endpoints.
- Managed end to end deployment configured Gunicorn and Nginx, containerized with Docker Compose and maintained production on DigitalOcean with SSL and environment parity.
- Used terminal workflows and Git branching to manage updates testing locally, syncing securely and monitoring logs directly on the remote console.
- Customized Django Admin for operations teams, adding filters, search and export functions that reduced manual reporting time.
- Improved system reliability through query profiling, selective indexing and background tasks for scheduled data refreshes.
- Delivered a stable, documented product ready for scaling combining technical precision with practical problem solving and attention to long term maintainability.

Analytics Engineer | RakhshlT Tech

Tehran, Iran | January 2022 – November 2022

- Designed and exposed RESTful APIs using Django REST Framework, allowing data driven dashboards to pull fresh filtered results directly from the backend.
- Worked closely with front end developers using React to define data structures, ensuring every endpoint was lightweight, secure and easy to consume.
- Processed and prepared large datasets with Pandas and SQL performing normalization, type casting and outlier detection to maintain accuracy.

- Created analytical views and interactive dashboards with Chart.js and Plotly, helping stakeholders explore metrics dynamically.
- Introduced Docker environments for consistent builds and simplified setup across the development team.
- Improved overall system speed by profiling ORM queries, adding caching and optimizing serializer logic.

Backend & Data Automation Developer | Pariz Groupe

Tehran, Iran | January 2021 – January 2022

- Built and maintained Django based backend systems that automated routine data collection and reporting tasks.
- Replaced manual Excel processes with scheduled Python scripts that extracted, cleaned and validated business data (handling missing values, outliers, duplicates).
- Designed database models in Django and PostgreSQL aligned with reporting needs, optimizing indexes for faster queries.
- Customized the Django Admin panel for internal teams giving them direct access to clean, filter and export data safely.
- Learned to debug, migrate and deploy changes through the terminal, gaining comfort with version control, virtual environments and structured delivery.

TECHNICAL & LEADERSHIP SKILLS

- Programming & Web Development
 Python, SQL, JavaScript (ES6+), Django, Django REST Framework, FastAPI, HTML/CSS
- Data Engineering & Analytics
 Pandas, NumPy, ETL Pipelines, Data Cleaning, Exploratory Analysis, Insight Reporting, CSV/Excel Automation
- Backend & API Engineering RESTful APIs, JWT Authentication, OAuth, PostgreSQL, SQLite, MySQL, Query Optimization, Role Based Access Control
- DevOps & Deployment
 Git/GitHub, CI/CD (GitHub Actions), macOS/Linux CLI, Docker, Docker Compose, Gunicorn, Nginx,
 DigitalOcean, Render, Domain/DNS Management, SSL
- Visualization & UI Integration
 Chart.js, Plotly, Matplotlib, Seaborn, Interactive Dashboards, Power Bi, Dynamic Filtering, Timeline
 Visualisation
- Systems Thinking & Automation
 Workflow Automation, Reporting Automation, Full Stack Data Applications, 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.