Dean Shabi

AI engineer and two-time founder. I've spent seven years putting machine learning into production, mostly forecasting for energy markets, and built the AI behind Otty and Katalo. I now own the solar forecasting stack at Renewcast.

Prague, CZ · Remote with UK and EU teams deanshabi@gmail.com deanshabi.com linkedin.com/in/dean-shabi github.com/dean-sh

Experience

2025 to now

Italy · Remote

Senior Data Scientist · Renewcast

- Own the solar forecasting stack. Cut portfolio forecast error from 15% to 6% in five months by pairing plant physics with a learned correction.
- Built one model per fleet that corrects the next four hours from live plant data. It beat persistence on 98% of solar plant-months in backtests.
- Replaced hand-picked model releases with a statistical test against the forecasts customers received, documented in four ADRs.

Machine learning · Weather prediction · Python · API development

May 2025 to now

Remote

Founder · Otty

- Built a career agent that finds roles, judges fit and applies for candidates over WhatsApp, within rules they approve.
- Kept judgment and permission apart. The model decides what fits, and code re-checks the candidate's rules before anything is submitted.
- Cut cost per agent turn 5x by fixing prompt-cache routing, loading tools only when needed and capping stale context.
- Moved the product across three agent runtimes in four months without changing what the agent is allowed to do.

AI agents · TypeScript · Postgres · Product

Feb 2026 to Sep 2026

Remote

Co-Founder · Katalo

- Built an image-editing pipeline where a calibrated vision judge decides what ships and its rejections become repair prompts.
- Built a shared queue and adaptive rate limiter for four AI providers. Capacity leases expire, so a crashed worker frees its slot.
- Released prompts and judge versions the way code ships, with snapshots, hashes and a staging step.

LLM evals · Convex · TypeScript · Image models

2024 to May 2025

London · Remote

Founding Data Scientist · tem.

- Led the AI behind RED, tem.'s main product for renewable energy.
- Built Rosso, a pricing engine that trades portfolio risk off against growth.
- Built half-hourly forecasts with horizons of several years.

AWS · Python · PyTorch · dbt

2023 to 2024

Prague & London · Remote

Data Scientist for Energy · AmpX

- Built time series models for generation, load and market price forecasting.
- Built battery degradation models for hundreds of assets.
- Set up the company's MLOps platform on AWS and Kubernetes, from training to monitoring.

AWS · Kubernetes · Airflow · Grafana

2019 to 2022

Prague

Data Scientist · Datamole AI

- Delivered ML projects end to end for manufacturing, automotive and agritech clients.
- Worked on predictive maintenance, anomaly detection and time series forecasting.
- Built data pipelines for robot, sensor and IIoT data.

SQL · Docker · Python · Azure

2014 to 2019

Israel

Project Lead · Captain · Israeli Air Force

- Led engineering teams on large technology projects for F-16 and F-15 fighter jets.
- Ran RF and signal processing R&D with Israeli defence companies.
- Built ML models for computer vision and data analysis.

Python · TensorFlow · MATLAB

Education

2018 to 2019

MSc Artificial Intelligence

Technion, Israel Institute of Technology

2010 to 2014

BSc Electrical and Electronics Engineering

Tel Aviv University

Electro-optics, control engineering and bioengineering.

2010 to 2014

BSc Physics

Tel Aviv University

Astrophysics and relativity.

Skills

Data science and ML
Machine learning, Time series forecasting, Deep learning, NLP, Computer vision, Optimisation

Programming
Python, SQL, R, MATLAB, JavaScript, React, FastAPI

Cloud and DevOps
AWS, Azure, Kubernetes, Docker, MLflow, Airflow, dbt

Libraries
TensorFlow, PyTorch, scikit-learn, Pandas, Keras, Streamlit