

John Moran

Full Stack Software Developer | Python & Backend Developer

moranjohn95@gmail.com • +353 87 777 1436 • Tralee, Co. Kerry, Ireland

Open to Remote, Hybrid & On-site Roles | EU Work Authorisation

github.com/moranjohn-95 • linkedin.com/in/john-moran-dev • johnmorandev.com

Executive Summary

Full Stack Software Developer with a Distinction Diploma in Full Stack Software Development and a strong focus on Python and backend development. I've built applications with FastAPI, Django and PostgreSQL, including REST APIs, user authentication and integrations with external APIs. I've designed database models, managed schema changes with migrations and written automated tests with pytest. I also have cloud experience, including deploying applications to AWS EC2 and setting up Linux servers, Docker services and Nginx. Looking for a software development role in Ireland or Europe.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, HTML5, CSS3

Backend & APIs: FastAPI, Django, REST APIs, SQLAlchemy, Alembic, Pydantic

Frontend: React, Vite, Bootstrap

Databases: PostgreSQL, MySQL

Testing: pytest, Vitest, React Testing Library, Software Testing

Cloud & Deployment: AWS EC2, Amazon S3, Docker, Docker Compose, Linux, Nginx, Heroku

Data & ML: Streamlit, Predictive Analytics, Data Analysis, Data Visualisation

Development Tools: Git, GitHub, GitHub Actions (CI), VS Code, Jupyter Notebook

AI Tools: OpenAI API, OpenAI Codex

Libraries: Pandas, NumPy, Scikit-learn, Plotly, Matplotlib, jQuery, HTTPX

Selected Technical Projects

- **Job Comparer** | [GitHub](#) | [Live Demo](#) - Full-stack application that compares CVs with job requirements, highlighting relevant experience and possible gaps. Built a Python and FastAPI backend with PostgreSQL, supporting CV uploads, user authentication and saved comparison history. Integrated the OpenAI API to generate structured comparisons and added backend checks to verify supporting excerpts against the original text. Implemented usage limits to control API costs, wrote automated tests and deployed the application to AWS EC2.
Tech: Python, FastAPI, PostgreSQL, OpenAI API, React, TypeScript, Docker Compose, pytest, Vitest, AWS EC2, Nginx.
- **SiteForecaster** | [GitHub](#) | [Live Demo](#) - Planning intelligence platform helping electrical contractors find and prioritise opportunities from Irish planning data. Built REST APIs with FastAPI, imported records into PostgreSQL and added location and radius searches using PostGIS. Developed scoring rules to rank opportunities and explain their relevance to electrical work. Built a React and TypeScript frontend, added automated backend and frontend tests and deployed to AWS EC2 on Ubuntu with Docker and Nginx.
Tech: Python, FastAPI, PostgreSQL, PostGIS, SQLAlchemy, Alembic, React, TypeScript, Docker, Docker Compose, pytest, Vitest, GitHub Actions, AWS EC2, Nginx.
- **Hotel Booking Predictive Analytics** | [GitHub](#) | [Live Demo](#) - Machine learning app predicting hotel booking cancellations using exploratory data analysis, preprocessing and model comparison, with an interactive Streamlit dashboard. Selected Gradient Boosting as the final model, achieving a test ROC-AUC of 0.808.
Tech: Python, Streamlit, Scikit-learn, Pandas, NumPy, Plotly, Matplotlib, Heroku.

- **Precision Performance PT** | [GitHub](#) | [Live Demo](#) - Full-stack personal training management platform using Django and PostgreSQL, featuring user authentication and role-based access control for clients, trainers and owners. Developed client and trainer dashboards, workout programme management, progress tracking and support messaging.
Tech: Python, Django, PostgreSQL, JavaScript, HTML5, CSS3, Bootstrap 5, Heroku.

Education

Distinction Diploma in Full Stack Software Development

Code Institute | May 2025 – May 2026

Credit-rated by the University of the West of Scotland | SCQF Level 8

Spanish Language Studies (B1 Level)

Instituto Hispánico de Murcia, Spain | November 2022 – March 2023

Bachelor of Business (Honours), Business & Marketing

Munster Technological University, Tralee, Ireland | September 2017 – May 2021

Work Experience

Caddy / Pro Shop Assistant

Tralee Golf Club | January 2026 – Present

- Delivered high-quality customer service to members and international visitors, including high-net-worth clients from diverse backgrounds.
- Developed strong communication, interpersonal and situational awareness skills by anticipating client needs and adapting to different personalities and expectations.

Investor Services Administrator

HedgeServ, Dublin, Ireland | February 2024 – January 2026

- Worked within a five-person team servicing nine investment fund clients and their investors in a fast-paced financial services environment.
- Processed subscriptions, redemptions and transfers while maintaining accurate investor records and adhering to internal procedures and compliance requirements.
- Prepared monthly and quarterly reports and used Microsoft Excel and internal systems to analyse, maintain and reconcile investor and fund data.
- Managed investor and client queries, collaborating across departments to resolve issues, meet deadlines and maintain a high standard of service.

Additional Training

- Python Developer Career Path – Mimo 2026
- Supervised Machine Learning: Regression and Classification (DeepLearning.AI) – Coursera
- Python for Data Science, AI & Development (IBM) – Coursera

Professional Development & Community

- Engage with the wider software development community through Python Ireland and AI Ireland networking events and technical talks.
- Continue to develop new software projects and expand my portfolio.