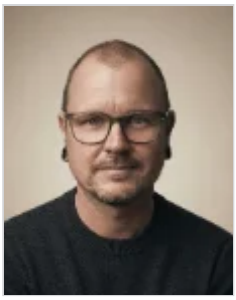
PATRICK PANKE

Diploma Meteorologist | Data Science & AI | App Development

Email: panke@gmx.de
Phone: +49 176 34619585
Website: lokativ.dev



PROFILE

Diploma meteorologist with more than 15 years of experience processing, automating and visualising weather data at RTL News. Today I build my own Flutter apps for iOS and Android that combine weather data, databases and AI. Completed the Machine Learning Specialization (DeepLearning.AI). Seeking a role in data science or AI development, including outside meteorology.

WORK EXPERIENCE

App Developer (self-employed), lokativ

06/2026 – present

- Design and development of cross-platform apps with Flutter and Dart for iOS and Android
- CamperCompass: wind warning and sun compass for campers, published on the App Store and Google Play
- FishOn: AI fish species recognition with the Gemini API, AI-based recommendations from weather data
- Gegenwind: wind app for cyclists with routing, route import (GPX, KML, GeoJSON, CSV) and time-shifted wind forecasts per section
- Backend with Supabase (PostgreSQL), integration of weather and REST APIs

Randstad RiseSmart (transfer company)

2026 – present

- Career transition after RTL, focusing on data science and AI

Meteorologist, RTL News – RTL Group

2008 – 2026

- Meteorological support for the RTL family of channels
- Automation of the weather graphics systems
- Processing and visualisation of weather data with Matlab, AutoIt, Python and JavaScript
- Briefing presenters and issuing severe weather warnings
- Weather articles for ntv.de and wetter.de, including the weekly weather round-up

Various part-time jobs to finance studies

2003 – 2010

- including student assistant

FURTHER TRAINING

Training in machine learning and data science (via Randstad RiseSmart)

planned

Machine Learning Specialization, DeepLearning.AI

completed 09/2026

EDUCATION

Diploma in Meteorology (Diplom), University of Cologne
2001 – 2011 · Final grade 2.0 (good)

Abitur (university entrance qualification), Hermann-Josef-Kolleg Steinfeld
1986 – 1999

LANGUAGES

German: native
English: B2

SKILLS

Data & AI: Python, Pandas, NumPy, pipeline development, machine learning, data visualisation, time series, LLM integration (Gemini API), AI workflows
Engineering: Flutter, Dart, SQL, PostgreSQL, Supabase, database design, JavaScript, REST APIs, Matlab, AutoIt
Domain: meteorological analysis, weather models, weather data pipelines, severe weather warnings, risk assessment, graphics systems and visualisation