

# Toni Marence

Data Science Manager at Boehringer Ingelheim and co-founder of ABTM Projects GmbH, the company behind the oClub sports app. I combine forecasting and machine learning with hands-on product engineering, from Swift and SwiftUI apps to Python backends.

## Experience

### Co-founder & Managing Director · Technical Lead

ABTM Projects GmbH — oClub

Apr 2026 – Present

- Co-founded the company and run it as managing director: strategy, product roadmap, and partnerships with sports clubs and venues
- Built and shipped oClub Sports (SwiftUI) for iPhone and iPad: 750+ registered users in 200+ clubs and groups; chat, club management, court booking with payment, and courses
- Designed and operate the full platform: Flask/Python, PostgreSQL with pgvector, REST APIs, Redis, Celery, and Docker on a self-managed VPS
- Implemented matchmaking, capacity scheduling, and geo discovery; built AI tooling (MCP servers) for club outreach and project management

### Data Science Manager

Boehringer Ingelheim RCV GmbH & Co KG

Aug 2024 – Present

- Leading data science programs that pair forecasting ML with market analysis, resilient pipelines, data quality, and integrated commercial datasets
- Applying conversational AI with RAG, semantic search on unstructured text, and MCP-style tool exposure for LLM-driven workflows
- Collaborating with global teams to standardize reporting and translate analytics into strategic insight

### Co-founder & Tech Lead

EP Checkup GmbH

Aug 2022 – Dec 2025

- Co-founded a healthcare startup and led strategy, architecture, and delivery for a platform connecting hospital staff with patients' relatives
- Designed multi-modal messaging (voice with transcription/translation, media sharing, and forms) so care teams could work outside chat channels
- Owned end-to-end security with authenticated encryption and X3DH-style key agreement, delivering forward secrecy and mutual authentication

### Forecasting and Data Analytics Specialist

Boehringer Ingelheim RCV GmbH & Co KG

Jan 2022 – Jul 2024

- Monitored forecasts, resolved exceptions and improved forecast accuracy
- Kept sell-out, sell-in, supply and stock data consistent as the basis for planning
- Ran training sessions and aligned reporting with global teams

### iOS App Developer

Self-employed

Jun 2015 – Present

- Building and shipping my own iOS apps since 2015 in Swift and SwiftUI, with widgets, HealthKit, Screen Time and iCloud sync
- Published four apps of my own on the App Store, from idea and design to release and support

### Student trainee and internships

2014 – 2021

- Siemens Mobility GmbH, Student Trainee (2018 – 2021): automated monitoring and reporting for technical KPIs; consolidated cross-discipline data for quality, logistics, and incident follow-up
- Boehringer Ingelheim RCV, Intern (2021): dashboards for sell-out and sell-in monitoring; concepts for automated order handling
- Internships at ANDRITZ HYDRO (2017), Pöyry Energy (2016) and TU Delft (2014): turbine and generator evaluation, 3D models and plans for hydropower projects, ship hull simulations in the towing tank

## Apps

|                            |                                                          |
|----------------------------|----------------------------------------------------------|
| <b>oClub Sports</b>        | Sports community: people, clubs, courts and courses      |
| <b>Rytmo Habit Tracker</b> | Habit tracker with Apple Health, Screen Time and widgets |
| <b>QuickMath</b>           | Daily mental math practice with goals and statistics     |
| <b>DailyPhrase</b>         | Language learning, one phrase a day                      |
| <b>TurbineMatch</b>        | Hydropower calculator with turbine selection             |



## Contact

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## IT skills

**Swift & SwiftUI**  
Production iOS & consumer apps

**Python**  
Flask APIs, data pipelines, automation

**PostgreSQL, Redis & warehousing**  
pgvector, modeling, analytics

**Machine learning & LLM systems**  
RAG, agents, MCP-style tools

**Web & API engineering**  
REST, JWT, HTML/CSS/JavaScript

**Docker, async workers & cloud**  
Celery, Linux VPS, AWS services

## Education

**2022 – 2025**  
**Master of Science in Engineering (MSc)**  
Innovation and Technology Management · University of Applied Sciences Technikum Wien

**2019 – 2022**  
**Bachelor's degree**  
International Business and Engineering · University of Applied Sciences Technikum Wien

## Tools

Xcode & App Store Connect  
Docker & Nginx  
Claude Code & MCP  
SQL  
Python (pandas, scikit-learn)

## Languages

|                 |                 |
|-----------------|-----------------|
| <b>German</b>   | Native language |
| <b>English</b>  | Fluent          |
| <b>Croatian</b> | Advanced        |