

German data analytics platform — Python, Spring & operational intelligence

Region: Germany **Duration:** 2022 – 2024+ (data pod from 2024) **Engagement:** Governed full-stack / data pod

Python data engineering and analytics delivery for a German client — from restaurant operations dashboards (Angular, Spring Boot, eCharts) through to pipeline-heavy backend services built for production reporting, not slide-ware.

CHALLENGE

Turn operational data into decision-grade dashboards

The programme needed reliable aggregation across disparate sources, complex SQL, and operator-facing visualisations — with a path from prototype analytics to a maintainable platform the client's team could trust month after month.

APPROACH

Phased data platform with governed delivery

- Angular front end with Spring Boot services and Apache eCharts visualisation layer
- Python data engineering for integrations, ETL-style jobs, and pipeline extensions
- Senior oversight on schema design, query performance, and release hygiene
- Milestone-scoped discovery before larger build phases

TECHNOLOGY

Stack & delivery surface

Python Spring Boot Angular SQL / PostgreSQL Apache eCharts Data pipelines

OUTCOMES

What the programme proved

- Production analytics used by operations teams — not throwaway BI
- Expanded Python data pod from 2024 for pipeline and platform work
- Demonstrates Sevendyne beyond C++/Qt: full-stack data programmes for EU buyers

Programme details anonymised where required. Stack and shape shared on qualified calls.