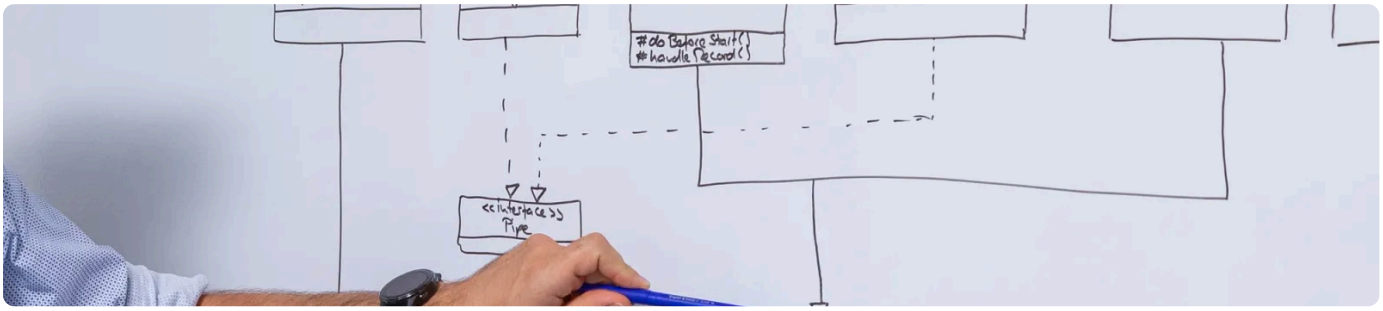
TEQABLE
Engineering Success

CASE STUDY

Architecture concept for the cloud migration of a core business application



#SOFTWARE ENGINEERING

A core business application handling sensitive personal data ran as a monolith on Java EE and Struts. TEQABLE worked out the target architecture and migration paths for a cloud-native architecture with Spring Boot and Angular and supported the decision.

Situation

The application processes sensitive personal data and was built as a monolith on Java EE and Struts. The existing documentation was partly badly outdated and largely did not reflect the current state of the application. The demands on architecture, security and operations were correspondingly high.

Goal

An architecture concept for the migration to a cloud-native architecture with Spring Boot and Angular, with options and costs, so that the business department could decide on solid ground. Alongside, the internal development team was to be supported with an offline-capable client application and its cloud-based backend.

Solution

TEQABLE drew up an overview of the existing architecture from the source code, worked out options for the target architecture as well as migration options and paths, and estimated effort and cost for each. The result was a basis for decision, and TEQABLE advised the business department in choosing the option.

Key facts

CLIENT
IT service provider of the public administration

DURATION
13 months

TEAM
1 software architect, within the customer's team

SERVICES
Architecture analysis, target architecture, migration planning, cost estimate, development

TECHNOLOGIES
Java EE, Struts, Spring Boot, Angular, cloud-native

Outcome

- Existing architecture documented anew from the source code
- Basis for decision on target architecture, migration and costs
- Business department decided on a migration option
- Interface, synchronisation and updates of the offline client implemented
- Follow-up contract to implement the architecture concept

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