mBank

Killed its mainframe. For real.

RAIN CODE

Over the last few years, there have been many mainframe modernization and replatforming projects that have been thoroughly documented on social media or in the press

mBank's migration project stands out. It is not just yet another one in a long series. It is unique in many remarkable ways:

WHY ?

The project started with an epiphany: the future of retail banking is made of an ever-increasing number of transactions, many of which generate little, if any, revenue for the bank. From that perspective, the **high fixed cost of mainframe-based transactions** is doomed to become a cap on the bank's ambitions. Getting off the mainframe was thus not just a nice-to-have incremental improvement, but a key factor in mBank's long-term existential ambition.

HOW ?

This project has been a unique opportunity for tectonic changes. mBank decided not just to move off the mainframe, but to take advantage of the opportunity to also rearchitect its central IT system to support unlimited **horizontal scalability** through **database sharding.** This has made the bank **future-proof** in a way that no in-place incremental modernization would have allowed.

No footprint left on the mainframe

This entire project was enabled by Raincode's unique ability to compile the existing application code with no change while **keeping all options open** regarding architectural decisions, separating the essential (the application code) from the incidental (how it is deployed.)

Db2 to SqlServer: mBank's database has been migrated from **IBM's Db2** to SqlServer, creating a more homogeneous Microsoft stack. This has been made possible by Raincode's unique **compile-time database remediation**, allowing code written for Db2 to be deployed on top of SqlServer without changing the application code or SQL statements embedded in JCLs.

THE RESULT?

For the naysayers who still doubt the significance of mBank's migration project, a simple but compelling data point stands out: In stark opposition to projects that have cherry-picked a low hanging workload to migrate and declared victory despite this extreme form of selection bias, mBank turned off its mainframe altogether. There is no footprint left on the mainframe at mBank.

For real.

CONTACT

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