QUARKS

Shaping connected products to enable future's ecosystem

The client powers the next generation enterprise grade cloud and edge platform to handle complex AI and IOT use cases around smart ecosystem monetization for mobile network operators (MNO) around the world. This is a highly scalable, globally available platform that supports millions.

The Challenges

The client was facing various challenges which were including:

- Monolithic & Complex architecture causing issues to integrate with partners.

- Need a solution to update the customer data in real time.

- Need to secure the system to avoid the unwanted threat.

- No Proper QA Strategies are defined.

- Test Cases are missing.

Quarks Solution

Quarks provided them with the digital solutions to improve the performance of the product and provide stability while maintaining the quality.

- Implement repository based development in DAO Layer to improve the performance.

- Tokenize based security layer implemented in the query to provide additional security in the database.

- Simplify the project flow and divided into the chuck of functionality and aligned the KT Process.

- Start creating test cases for the under development tasks.

- Set Proper test strategy and test cases and scenarios are documented in the project.

The Benefits

Quarks innovative solutions helped :

- Remove the redundant code by 30% using modular programming structure.

- A better knowledge management.

- Test strategies are defined and now we are delivering smoothly.

- Defect leakage reduced to ~1%.