NOVACOMP

SUCCESS STORY

Fintech California - Africa / South America

A full data and AI team that reduced a fintech's technical debt in under a month.

Industry: Banking

*Image for illustrative purposes only

Summary

A fintech with a strong Machine Learning backbone was struggling to build the teams needed to sustain its growth, with mounting technical debt and delayed features.

Key challenges

- Market growth expectations exceeded the existing team's capacity, which could barely maintain the current platform.
- Data engineering responsibilities were spread across the analytics, data science, and engineering teams with no clear structure.

Approach

A comprehensive hiring process with practical tests, live technical interviews, cultural assessments, and English checks. A team of professionals was assembled to cover every technical area of platform development and maintenance (CTO/Tech Lead, data engineers, machine learning engineers, data analysts, and QA engineers/architects), selected to identify technology and business gaps and integrate into the client's culture.

Results

- A Data Engineering department was created, with best-practice frameworks already impacting overall performance.
- Data pipelines were standardized, greatly reducing their development time.
- The data analysis team doubled in size, reducing technical debt and development times.
- Machine learning models were optimized, and technical debt reached its lowest level in the client's history.
- The quality control framework is now used by most development teams, with healthy code coverage.

Technologies used

AWS	Blueshift	Docker
MySQL	Neo4J	ReactJS
Python (Pandas, Scikit-learn)		
Kubernetes	Snowflake	Fineract
GLR	Sigma	Java/Scala
API	Git	

Conclusion

The Novacomp team delivered tangible results in under a month, helping the client reduce its technical debt and move forward with already-prioritized new projects.

Built on expertise. Driven by people.