

SUCCESS STORY



LOAN ORIGATION SYSTEM USING ANGULAR JS, BOOTSTRAP, SPRING BOOT & MYSQL

PROJECT OVERVIEW

Indium supported the client in automating the workflows and improving the processing time of their loan origination system which handles around 7 million transactions of about 0.5 million customers which in turn helped the client in taking quick business decisions.

CLIENT DOMAIN

Banking

SOLUTION DELIVERED

Application Development, Data Engineering

KEY HIGHLIGHTS

- Reduced 70% of the manual work receipt process, directly contributing to a robust origination process and improved responsiveness to loan applicants
- The architecture implemented is highly scalable and responsive to various data sources

ABOUT CLIENT

The client is a renowned US community bank that has been helping consumers and small businesses in California for almost a century.

BUSINESS REQUIREMENTS

The client's old workflow processes were ineffective, costly, and time-consuming given the sheer number of transactions. The manual uploading and processing of work receipts for further decision-making resulted in a system that was incredibly ineffective and that allocated excessive resources to repetitive and automatable operations. The bank needed to update their loan origination system such that the manual procedure that was currently in place was abolished and the entire business process was streamlined to almost complete automation.

SOLUTION HIGHLIGHTS

The bank needed a user interface that was responsive, eliminated the present manual process, and streamlined the entire business process to the point of approaching automation.

- The Indium software team started by comprehending the business workflow, which included the decision workflows involved in the loan approval process.
- API touchpoints for decision systems interaction.
- Data flow analysis from APIs, client attributes, and third-party data to a converged central data repository
- Utilisation of use cases for data models in decision-making
- Indium Software created comprehensive wireframes to visualize the decision workflow and approval process.
- Automated the work receipt upload mechanism by creating a comprehensive user interface that captures data fields to contribute to decision inputs.
- Upgraded the current system using scalable architecture (Java, AngularJS and Spring Boot) without disturbing the existing functionality.

BUSINESS IMPACT

- 70% of the manual work reception procedure was cut, which significantly increased the responsiveness to loan applicants and helped create a strong origination process.
- The architecture implemented is highly scalable and responsive to various data sources. The data repository is an efficient feed for decision workflows and optimization strategies.

TECH STACK



Version Control: GIT Hub Repository

Project Management:  Jira

Design: Google Material Design

ABOUT INDIUM

Indium is a Digital Engineering Services leader and Full Spectrum Integrator that helps customers embrace and navigate the Cloud-native world with Certainty. With deep expertise across Applications, Data & Analytics, AI, DevOps, Security and Digital Assurance we “Make technology work” and accelerate business value, while adding scale and velocity to customer’s digital journey on AWS.



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