

Case Study

Navigating from Manual to Automation

Sonata Unlocks Growth for a Leading Housing Finance Company by Seamless Implementation of DevOps Solution



Client Overview:

The client, a prominent financial institution, has established itself as a leader in the housing finance sector. Offering a diverse range of financial services including home loans, loan against property, and insurance products. The client has built a solid reputation for its customer-centric approach, innovative offerings, and robust risk management practices.

Revenue

\$45 B

Assets

\$180 B

Employees

1,77,000

Pressure Points:

The client underwent a merger in July 2023, leveraging growth opportunities for the combined entity, with a specific focus on expanding housing loans. As part of the merger, over 450 applications needed upgrades to DevOps by the end of 2023. The client acquired GitHub and decided to go with GitHub Actions for CI/CD orchestration.

Manual and time-consuming workflows

Integrating CI/CD practices across applications presented a challenge due to the extensive scale involved.

Complex workflows exceeded GitHub's capabilities, requiring external expertise.

The implementation of CI/CD practices encountered complexity due to stringent compliance requirements

Solutions:

Sonata undertook the following scope of work for the DevOps implementation in the client landscape:

- Established a robust Source Code Management setup using GitHub for various applications in the organization.
- Implemented CI/CD practices using GitHub Actions
- Facilitated the creation and management of artifacts using GitHub Releases
- Integrated SonarQube, a code quality tool, for static analysis and generating comprehensive reports
- Onboarded applications onto the DevOps platform, specifically integrating them with GitHub Actions
- Configured and set up customized workflows

Tech Stack

Devops - Linux, Python Scripting, YAML scripting, GitHub, GitHub Actions, GitHub Releases, Workflows, SonarQube Customization

Target Application Tech stack - Mulesoft, NodeJS, Salesforce, Python, Java

Integrated
DevOps platform

Resource inventory
automation

Reusable automation
scripts for CI/CD

Bulk repository
creation

Results that Speak Volumes:

Business Benefits

Streamlined Governance

Automated Deployments

Enhanced Code Security

Reusable & centralized CI/CD workflow

Improved Collaboration

Rapid Delivery & Reliability

Data-driven Insights

By the Numbers:

Reduction in TCO:
25%

Automated Deployment:
95%