



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
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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

Deveops - 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
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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%
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