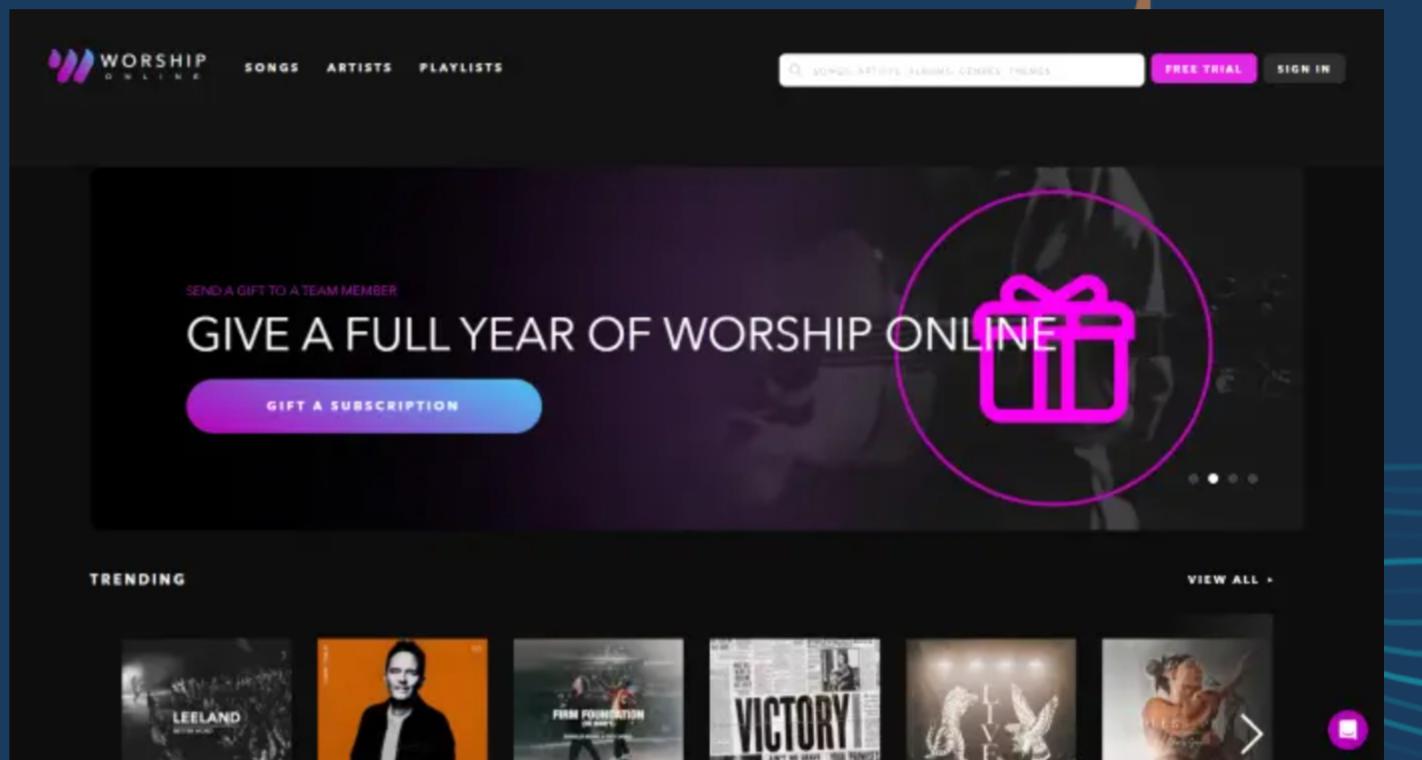
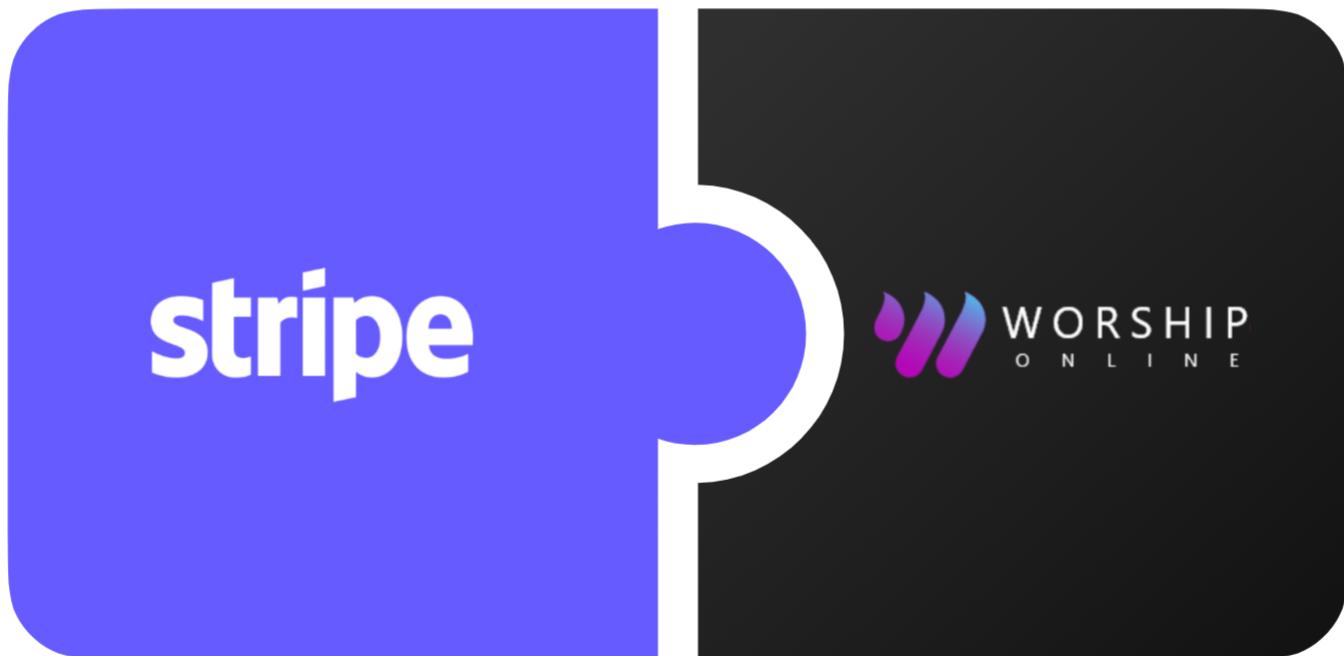


Stripe  
Integration  
consistency  
fix to  
prevent  
financial  
losses



# Stripe Integration<sup>M</sup>

We fixed data consistency issues between the app and Stripe. The fix resulted in an immediate recovery of \$525 monthly recurring revenue (MRR) and ***prevented future financial losses that could be up to \$1500 MRR.***



# Problem

While the number of new users increased, the *revenue slowly fell*.



# Solution

We gathered all the data from Stripe and saved it into our database. We then analyzed it using SQL and Metabase, revealing a severe Stripe integration breach. This breach was related to asynchronous communication and the unordered processing of webhooks. Our team worked together to come up with possible solutions and ultimately found an easy fix for the issue regarding the architecture. The fix didn't pose any risks to the business. We were able to fix the architectural issue related to the webhook processing and correct the historical data. **We also activated subscriptions for all users we could recover.**

We have set up monitoring with Metabase and Slack to prevent the issue from happening again.



```
$ stripe payment_intents create --amount+  
{  
  "id": "pi_1GiZ7tIuKQOPCiijm",  
  "object": "payment_intent",  
  "amount": 100,  
  "amount_capturable": 0,  
  "status": "requires_payment_method",  
  "type": "one_time",  
  "currency": "usd",  
  "created": 1572831315,  
  "livemode": false,  
  "statement_descriptor": "Test Payment",  
  "customer": "c_1GiZ7tIuKQOPCiijm",  
  "description": null,  
  "application_fee": null,  
  "application_fee_percent": null,  
  "cancel_reason": null,  
  "capture": true,  
  "confirm": false,  
  "confirm_url": null,  
  "customer_email": null,  
  "customer_name": null,  
  "customer_phone": null,  
  "customer_shipping": null,  
  "default_payment_method": null,  
  "dispute": null,  
  "failure_code": null,  
  "failure_message": null,  
  "fraud_risk": null,  
  "livemode": false,  
  "on_behalf_of": null,  
  "receipt_email": null,  
  "receipt_phone": null,  
  "review": null,  
  "statement_descriptor": "Test Payment",  
  "transfer_group": null}
```



# Results



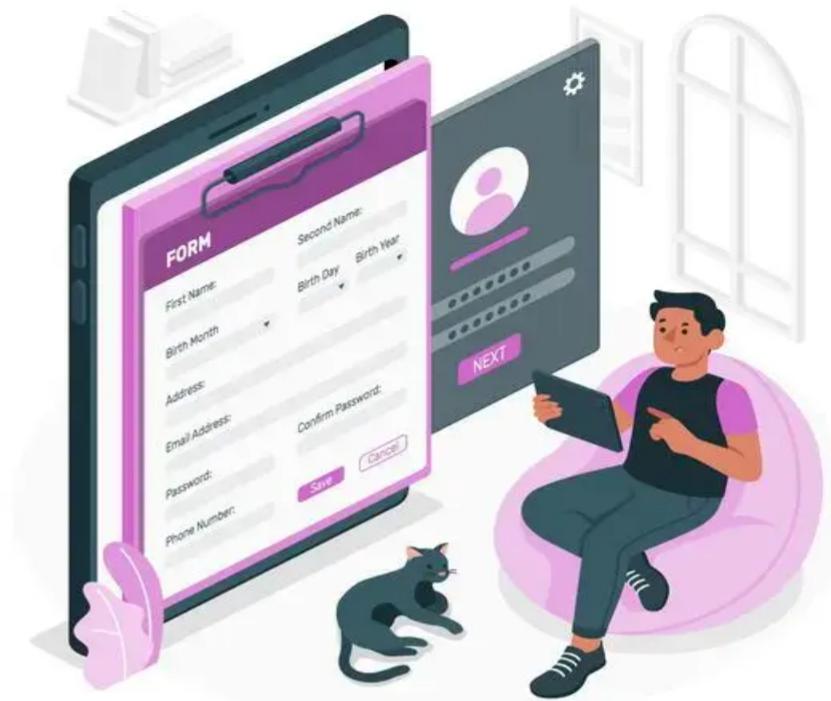
MRR increase  
**\$525**



Loss Prevention  
**\$1500**

983 out of 9,471 premium users did not have an actual subscription, which is roughly 10%. Of these 983 users, 514 had a "deleted" status, indicating they had not used the app for a long time. Only 469, equivalent to 5% of all premium users, could exploit the issue. However, only 79 of them had used the app in the last three months and received an attempt to reactivate their subscription. Out of these, 20 immediately acquired an active subscription. The rest got moved to the free plan. ***The reactivation of the subscriptions resulted in approximately a \$525 MRR increase.*** The applied fix aims to prevent future financial losses that could amount to \$1500 in MRR (these are rough calculations done on the historical data).

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business challenges



Optimise your app and get underlying issues fixed. You deserve an app customers will love to use.

If you would like to discuss your needs further, you can schedule a consultation with one of our experts

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