

# Challenges Solved – Software Developer (Laravel)

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## Payment Gateway Integration (Failed Callback)

Rehabilitation Management System – Idzmir Kids Hub

**\*\*Challenge:\*\*** While integrating a third-party payment gateway into the system, the success callback URL consistently failed to receive transaction status updates after payment was made, causing confirmation issues on the platform.

**\*\*Solution:\*\*** I investigated the issue by reviewing the gateway documentation, testing with various payloads, and checking server logs. After identifying a mismatch in the expected callback response format, I contacted the payment gateway's developer support team for clarification. With their guidance, I updated the callback handler to match their required response structure and ensured the URL was correctly whitelisted.

**\*\*Outcome:\*\*** The payment integration was completed successfully, and the callback function began reliably receiving payment status updates. This enabled automated order confirmation and improved the payment flow for users.

## Data Seeding for Hundreds of Pre-Register User Account

Kita Jumpa – Lost & Found website

**\*\*Challenge:\*\*** Manually creating temporary user credentials one by one for each petrol station within the Lebuhraya Utara-Selatan is time consuming and risk of redundant record.

**\*\*Solution:\*\*** Created database seeders and factories for User model, auto generate password for each user account. All the records are automatically saved in excel format.

**\*\*Outcome:\*\*** Account created are really fast and all the username and password are saved in excel format.

## Handling Sudden Workload Due to Team Unavailability

**\*\*Challenge:\*\*** During a critical sprint, several team members were unavailable due to illness, leaving key tasks incomplete including API development and UI adjustments with a tight deployment deadline approaching.

**\*\*Solution:\*\*** I stepped in to take ownership of the pending tasks. I prioritized high-impact features, communicated transparently with the project manager about feasible deliverables, and extended a few work hours to meet the milestone.

**\*\*Outcome:\*\*** The system was delivered on time with all core features completed. The project stayed on schedule, and my initiative helped maintain team trust and delivery momentum.