

# Telegram Booking Bot for Diagnostics (n8n Workflow)

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## Project Overview

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Attribute	Value
Brief Name	Telegram Booking Bot (n8n)
Description	A Telegram chatbot implemented as an n8n workflow that automates user bookings for diagnostics. It handles user input, integrates with Google Sheets for data storage, uses the Calendly API to manage available time slots, and sends automated reminders 1 hour and 10 minutes before the appointment.

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## Strengths and Adoption Rationale

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### Telegram Booking Bot (n8n): The Case for Adoption

The **Telegram Booking Bot (n8n)** is a powerful, low-code solution for automating appointment scheduling and management. Its adoption is highly recommended for businesses or individuals who need a reliable, self-service booking system integrated directly into the popular Telegram messenger.

#### Key Strengths

- Seamless Telegram Integration:** The bot leverages the Telegram Bot API to provide a familiar and convenient interface for users. This eliminates the need for a separate application or website for booking, significantly lowering the barrier to entry for clients.
- Robust Automation with n8n:** By utilizing the **n8n** workflow automation platform, the project benefits from a visual, flexible, and scalable backend. This

makes the bot easy to maintain, modify, and extend without deep programming knowledge, allowing for rapid adaptation to changing business needs.

3. **End-to-End Booking Management:** The workflow covers the entire booking lifecycle:

- **Data Collection:** Captures user name and Telegram username.
- **Availability Check:** Integrates with the **Calendly API** to fetch and display real-time available time slots.
- **Data Persistence:** Uses **Google Sheets** to reliably store all user and booking data.

4. **Automated Reminders:** The inclusion of timed reminders (1 hour and 10 minutes before the appointment) is a critical feature that drastically reduces no-show rates, improving operational efficiency and resource utilization.

5. **Low-Code/No-Code Advantage:** The project is delivered as an n8n workflow ( `TGBot.json` ), making it incredibly easy to deploy. Users can import the file, configure their credentials (Telegram, Google Sheets, Calendly), and activate the bot, bypassing complex development and deployment processes.

6. **Demonstration of Integration Skills:** The workflow showcases advanced integration skills, including the use of **JavaScript Code nodes** within n8n for complex logic and data formatting, proving its capability to handle sophisticated business requirements.

### Why Adopt This Solution?

Adopting this solution provides an immediate, cost-effective, and highly functional automated booking system. It frees up administrative staff from manual scheduling tasks, provides a superior user experience through Telegram, and minimizes revenue loss from missed appointments via automated reminders. It is the ideal choice for service providers looking to quickly implement a professional, integrated, and easily manageable booking solution.