

Telegram Job Search Bot: Your Automated Client Finder

Project Overview

Attribute	Value
Brief Name	Telegram Job Search Bot
Description	A Telegram bot for automated searching and collecting repair/construction job orders from three major Ukrainian marketplaces (Kabanchik.ua, Budver.ua, and Rabotniki.ua). The system uses dedicated parsers to monitor new tasks, filters duplicates, stores data in a PostgreSQL database, and provides full control via Telegram commands for searching, exporting to Excel, and viewing statistics.

Strengths and Adoption Rationale

Telegram Job Search Bot: The Case for Adoption

The **Telegram Job Search Bot** is a highly specialized and efficient tool designed to solve the critical problem of timely client acquisition in the repair and construction service sector. Its adoption provides a significant competitive advantage by automating the entire lead generation process.

Key Strengths

- Hyper-Focused Market Coverage:** The bot is specifically engineered to monitor and extract job orders from the three most relevant Ukrainian marketplaces: **Kabanchik.ua**, **Budver.ua**, and **Rabotniki.ua**. This targeted approach ensures that service providers never miss a potential client in their core market.

2. **Real-Time Lead Acquisition:** By constantly parsing new tasks, the bot provides a mechanism for near real-time lead acquisition. This speed is crucial in competitive service markets where the first contact often secures the job.
3. **Data Integrity and Efficiency:** The system incorporates **duplicate filtering** based on database checks, ensuring that users only process unique, valuable leads. This prevents wasted time and effort on redundant tasks.
4. **Full-Cycle Workflow Management:** The bot is a complete solution, handling everything from data scraping (**Selenium** for robust parsing) and persistent storage (**PostgreSQL**) to final data delivery. Users can manage the entire workflow—search, export, and clear data—directly through simple Telegram commands.
5. **Business-Ready Data Export:** The `/export` command generates a clean, structured **Excel file** (`.xlsx`) of all collected orders. This format is immediately ready for use by sales managers, for import into a CRM, or for detailed analysis, eliminating manual data preparation.
6. **Scalable and Reliable Technology Stack:** Built on **Python 3**, the **aiogram** framework, and **PostgreSQL**, the bot uses a modern, asynchronous, and reliable technology stack. This foundation ensures stability, performance, and ease of maintenance as the volume of job orders grows.

Why Adopt This Solution?

Adopting the Telegram Job Search Bot transforms a manual, time-consuming, and often reactive client search process into an **automated, proactive, and data-driven operation**. It acts as a dedicated, ²⁴/₇ sales agent, ensuring that the service provider is always the first to know about new opportunities. For businesses operating in the Ukrainian repair and construction sector, this bot is an indispensable tool for maximizing lead volume and securing a competitive edge.