

Hiring Task: Full Stack Developer for Telegram Bot Application

Overview:

We are looking for a talented developer with a passion for exploring new technologies and a keen understanding of marketing principles. The ideal candidate will be responsible for developing, upgrading, and enhancing our Telegram bot application for an online gambling site while identifying and leveraging new opportunities in the Telegram development space.

Task Objective:

This task is designed to assess your ability to quickly learn the fundamentals of Telegram and its APIs, demonstrate your technical skills by developing a basic Telegram bot for an online gambling context, and showcase your creativity and problem-solving skills by proposing improvements and implementing a mini-application with fiat payment capabilities.

Task Structure:

The task is divided into three subtasks and bonus task:

Subtask 1: Gain a Basic Understanding of Telegram and Its APIs

1. **Objective:** Acquire a foundational understanding of Telegram's principles, features, and API capabilities relevant to an online gambling site.
2. **Requirements:**
 - Familiarize yourself with Telegram as a platform, focusing on its development environment, user interactions, and bot functionalities.
 - Review the Telegram Bot API documentation to identify key features and capabilities relevant to bot development for online gambling.
 - Prepare a presentation summarizing your understanding of Telegram and its API, highlighting potential opportunities for bot development and any innovative features you believe could enhance user engagement or add value from a marketing perspective within the online gambling industry.
3. **Deliverable:** A live presentation showcasing your understanding of Telegram and its API, including ideas for bot improvements or new features, during the interview.

Subtask 2: Develop a Basic Telegram Bot

1. **Objective:** Create a functional Telegram bot skeleton that supports basic commands using a technology stack of your choice (e.g., Python, Node.js).
2. **Requirements:**
 - Set up a basic Telegram bot that can respond to at least three basic commands relevant to the online gambling context (e.g., /start, /balance, /bet).
 - Use a free public hosting service to deploy your bot (e.g., Vercel, Heroku).
 - Ensure the bot is accessible and operational for testing purposes.
3. **Deliverable:**

- The source code for the Telegram bot, with minimal documentation on deployment and execution.
- A link to the live bot deployed on a public hosting service.

Subtask 3: Implement a Mini-App with Fiat Payment Using Stripe

1. **Objective:** Demonstrate your ability to integrate third-party services by creating a mini-app for fiat payments using Stripe in test mode.
2. **Requirements:**
 - Develop a simple interface with multiple buttons for deposit amounts (e.g., 20€, 40€, 100€).
 - Integrate Stripe's test API to process payments and display the result (success, error) to the user (to accomplish this, please create a Stripe test account).
 - Choose any technology stack you are comfortable with for the development of this mini-app.
3. **Deliverable:**
 - The source code for the mini-app, with minimal documentation on setup and usage.
 - Prepare a live demo to showcase the mini-app's functionality during the interview presentation.

Bonus Task: iOS Telegram Mini-App Scrolling Issue

1. **Objective:** Investigate and address the inconsistency in the iOS Telegram implementation where swiping down in the mini-app minimizes it instead of scrolling.
2. **Requirements:**
 - Demonstrate the glitch on an iOS device where swiping down in the mini-app results in minimization instead of scrolling down.
 - Research and develop a solution to fix this issue, ensuring a smooth scrolling experience within the mini-app on iOS.
3. **Deliverable:**
 - A live demo of the glitch and the implemented fix on an iOS device during the interview presentation.

Evaluation Criteria:

- **Research Skills:** Ability to understand and synthesize information about Telegram and its API.
 - **Technical Proficiency:** Competence in developing and deploying a basic Telegram bot and integrating Stripe payments.
 - **Creativity and Innovation:** Originality of ideas for improving the Telegram bot and user experience.
 - **Problem Solving:** Ability to identify and resolve issues in the iOS Telegram implementation.
 - **Communication:** Clarity and completeness of minimal documentation and deliverables.
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Submission Instructions:

Please share a Git repository containing all relevant code. Ensure that the repository includes a README file with basic instructions for accessing and testing your Telegram bot and mini-app. Please commit your work to a Git repository and share the link within 2 days of receiving this email.

We look forward to seeing how you approach this task and demonstrate your capabilities as a developer with a passion for innovation in the Telegram ecosystem for online gambling.

Good luck!