**NextPointLogix**

NextPointLogix is an automation solution designed for transport and logistics departments. It includes mobile applications for employees and drivers, as well as web applications for logistics operators, financial managers, and system administrators.

**Project Overview**

NextPointLogix aims to streamline the workflow of transport and logistics operations by providing an integrated platform for managing various tasks, including route planning, fleet management, and financial transactions.

**Key Features**

* **Mobile Apps:** Developed in React Native for easy access by employees and drivers on the go.
* **Web Apps:** Built using MS Power Apps for logistics operators, financial managers, and administrators.
* **Backend:** Powered by Python for robust data processing.
* **Database:** Utilizes MySQL for secure data storage.
* **Hosting:** Deployed on AWS for scalable cloud hosting.
* **Continuous Integration/Continuous Deployment (CI/CD):** Managed via GitHub Actions to ensure smooth and efficient updates.

**Getting Started**

To get started with TransLogix, follow these instructions:

**Prerequisites**

* **Node.js:** Required for running React Native applications.
* **Python:** Needed for backend development.
* **MySQL:** Database setup for storing application data.
* **AWS Account:** Required for deploying the application.
* **Git:** Version control to manage the source code.

**Installation**

1. **Clone the repository:**

bash

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git clone https://github.com/your-username/translogix.git

1. **Navigate to the project directory:**

bash

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cd translogix

1. **Install the necessary dependencies for the mobile application:**

bash

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cd mobile-app

npm install

1. **Set up the backend environment:**

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cd backend

pip install -r requirements.txt

**Running the Application**

**Mobile Application**

To start the mobile application, use the following command:

bash

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npm start

**Backend**

To start the backend server, use the following command:

bash

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python app.py

**Deployment**

TransLogix uses GitHub Actions for CI/CD. Ensure you have set up the necessary secrets in your GitHub repository for AWS deployment and other environment variables.

**Contributing**

We welcome contributions from the community. Please fork the repository and submit a pull request for any enhancements or bug fixes.

**License**

TransLogix is released under the MIT License. See the LICENSE file for more information.

**Contact**

For further information or support, please contact our team at westukr1@gmail.com.