GotoFast Logistics - Technology Stack Overview

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Backend

- Python 3: The core programming language for all backend logic.

- Flask: Lightweight web framework for routing, request handling, and templating.

- SQLAlchemy: ORM for database access and migrations.

- SQLite: Embedded database for development and production.

- FPDF: Used for generating PDF invoices and reports.

- Flask-Login: User session and authentication management.

- Jinja2: Template engine for rendering HTML with dynamic data.

- Other: Werkzeug (WSGI), logging, and standard Python libraries.

Frontend

- HTML5: Markup for all web pages and forms.

- CSS3: Custom styles and layout.

- Bootstrap 5: Responsive design, grid system, and UI components.

- JavaScript: Client-side interactivity and validation.

- Chart.js: Data visualization for admin reports.

- Font Awesome: Iconography throughout the UI.

- Jinja2: Dynamic HTML rendering from Flask backend.

Other & Deployment

- Railway: Cloud deployment platform for hosting the Flask app.

- Gunicorn (optional): For production WSGI serving.

- Environment Variables: For configuration and secrets.

- Git & GitHub: Version control and collaboration.

- Replit: Used for initial prototyping and development.

Summary

GotoFast Logistics is a modern, full-stack web application built with Python Flask on the backend and Bootstrap-powered HTML/CSS/JS on the frontend. It leverages SQLAlchemy ORM for database management, FPDF for PDF generation, and Chart.js for analytics. The stack is chosen for rapid development, reliability, and ease of deployment.