

## Aion & CSSGO

Le Duc Trung Dinh Ngoc Hoang Cuong Tran Nguyen Anh Minh Ho Van Khoa

Dao Bao Duy Ho Le Anh Minh Nguyen Phan Tien Hai Ly Minh Khoi Tran Luu Quang Tung Nguyen Huy Anh

**Academic Supervisor** 

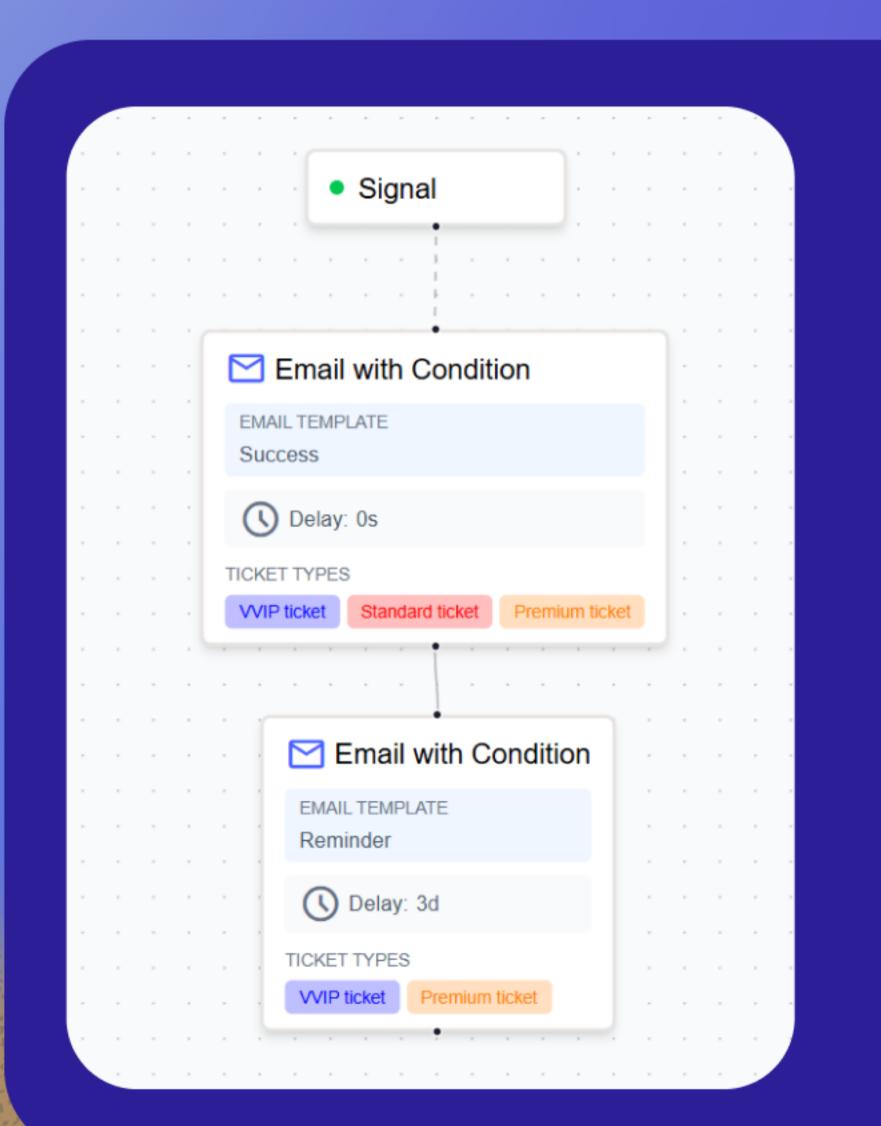
Scan to know more Dr. Long Nguyen

**Industry Supervisor** Oscar Lopez Alegre



# Overview

Disukien is a SaaS aiming to solve challenges i.e. Event Creation and Branding, Disorganized Team Collaboration, Attendee Management, Repetitive Manual Communication Tasks, & Payouts.

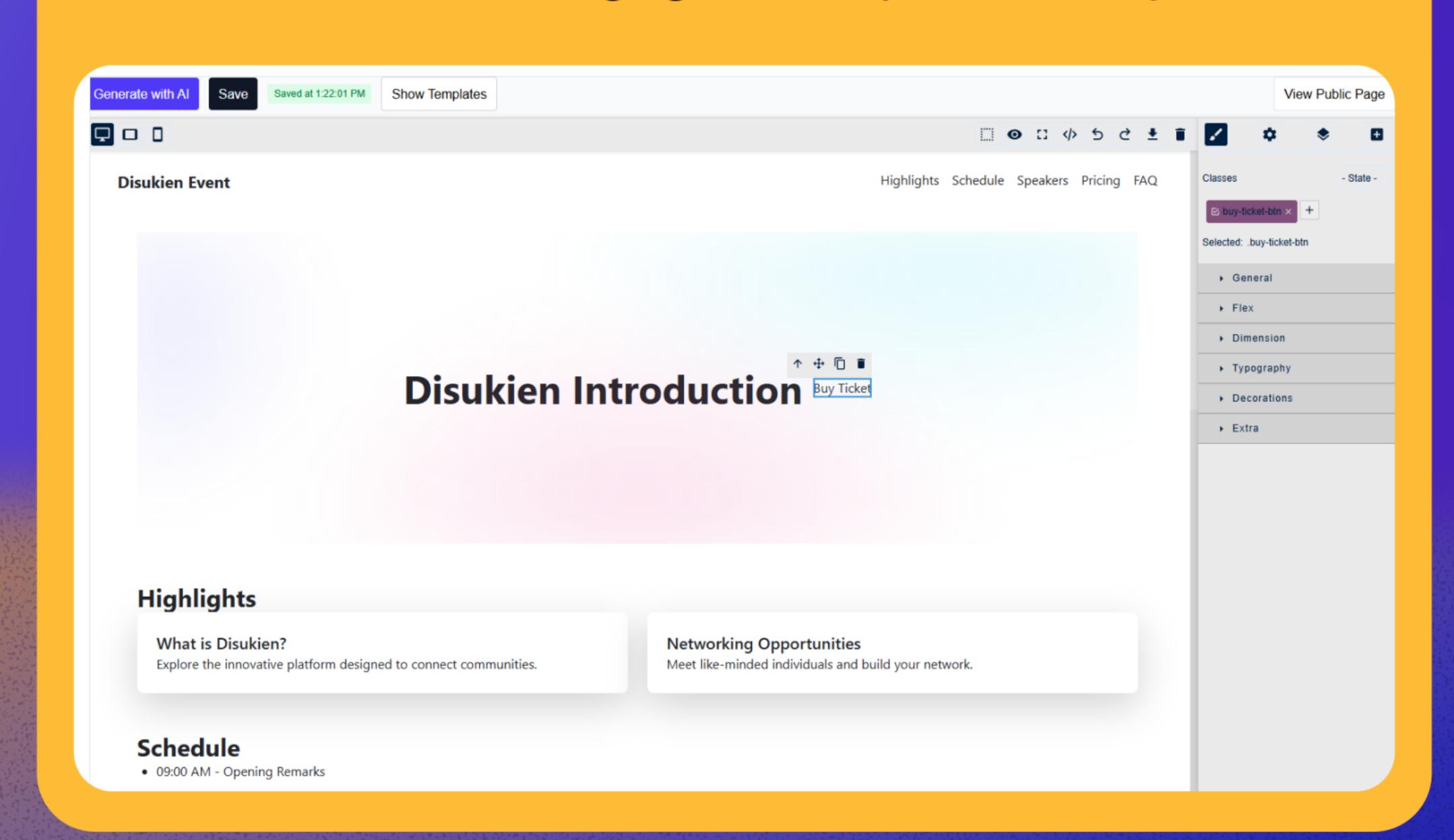


#### Workflows

Automate and customize actions such as sending emails with personalized content to event attendees on configurable conditions.

#### Pages Builder

Help event organizers set up web pages for better event engagement, powered by Al.



#### Notable Features

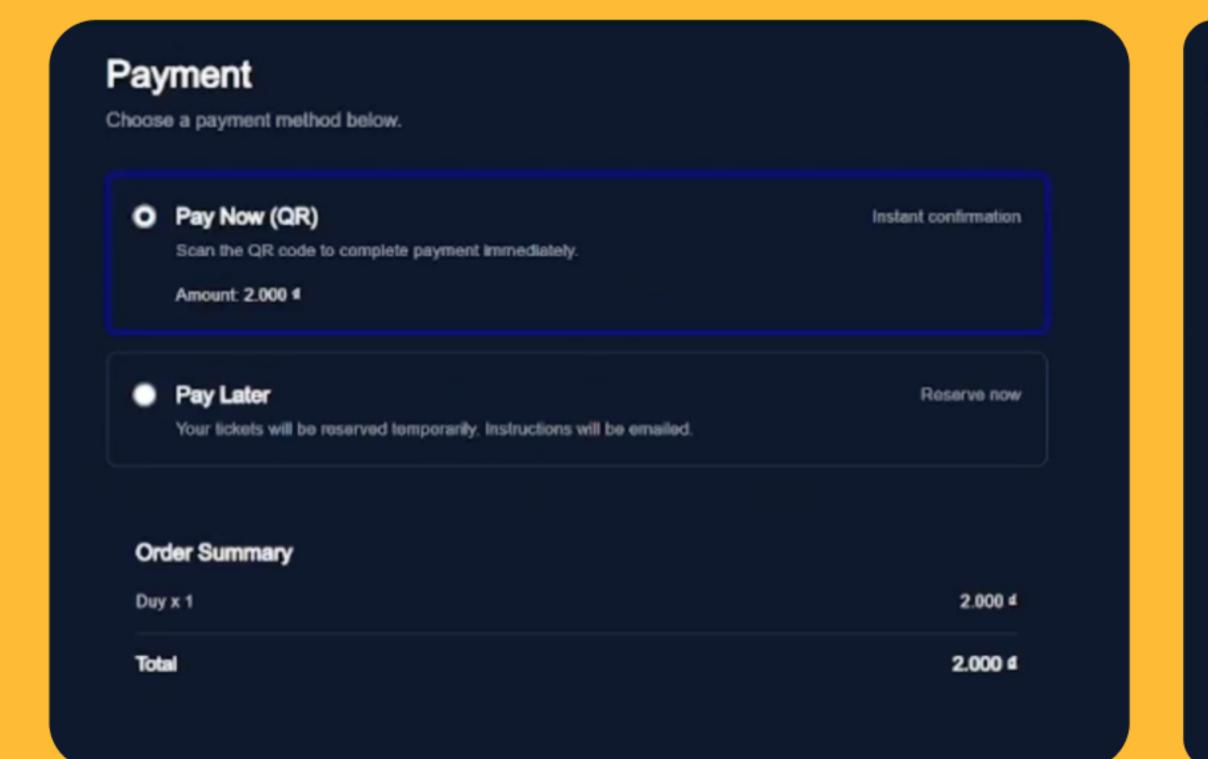
Aside from the core features that any event management software should have: ticket creation and management, check-in/checkouts, etc. we made sure to truly make Disukien local, unique, and versatile.

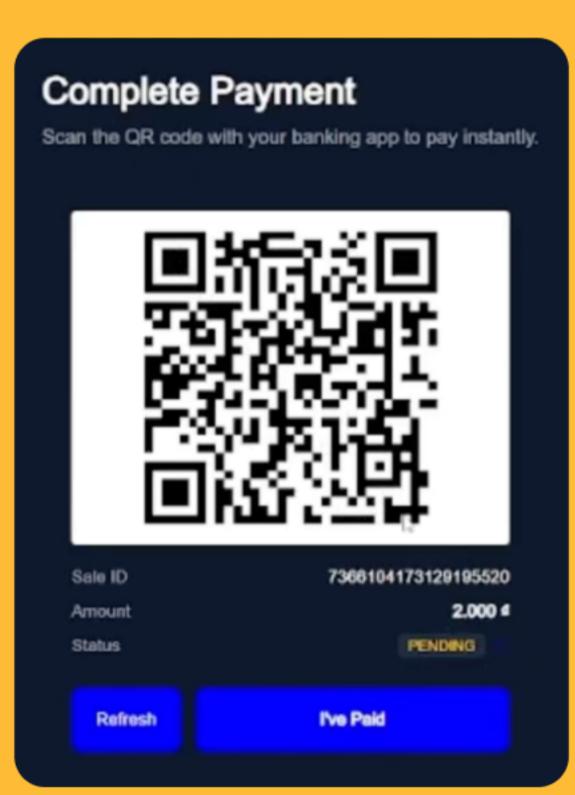
Here are the functionalities that truly act as testimonies to our attempts at embracing locality, uniqueness, and versatility!

# Tech-stack 7 FastAPI ® NGINX GropesJS PayOS

## Flexible Payments

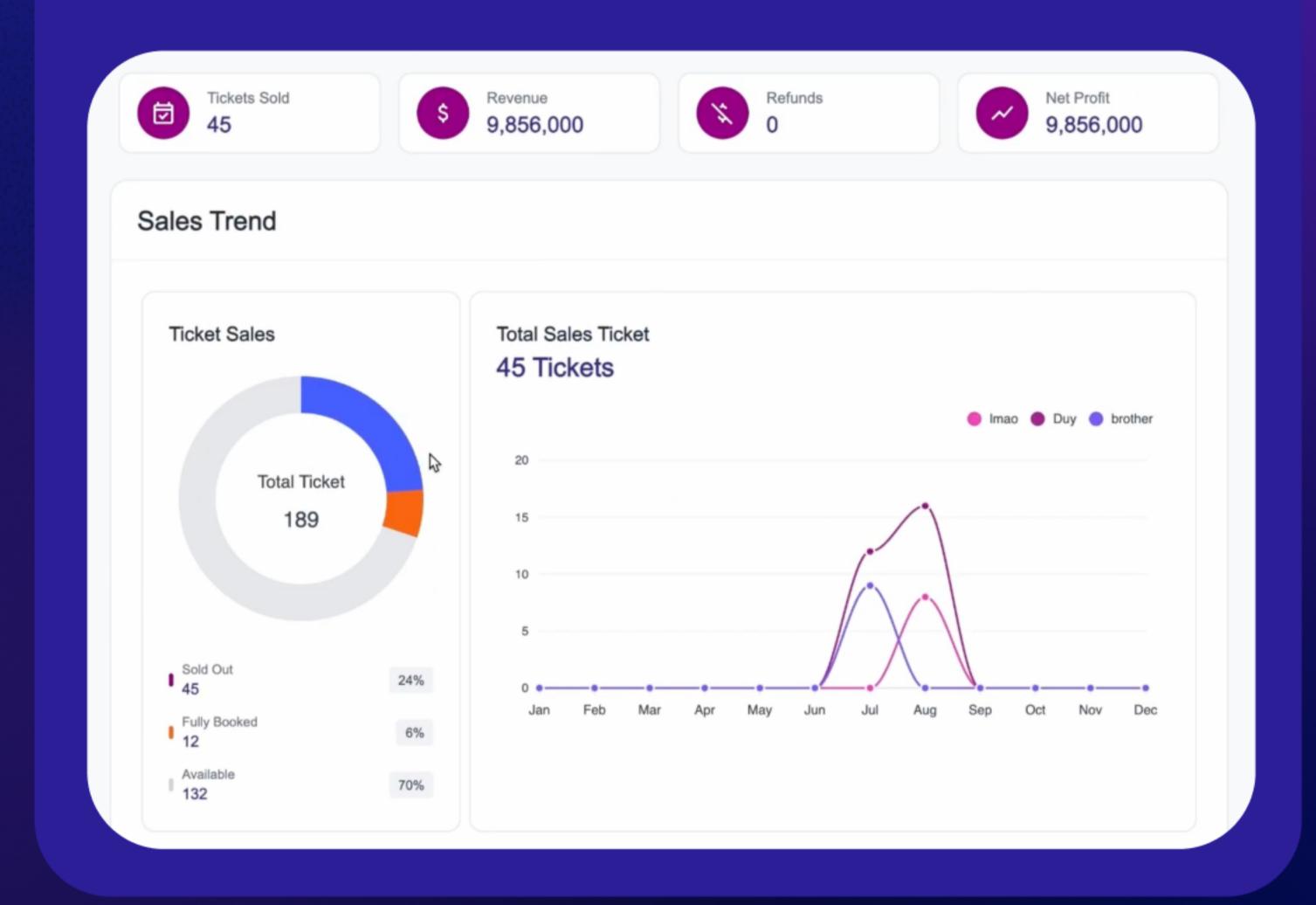
Allow event attendees to choose various payment methods



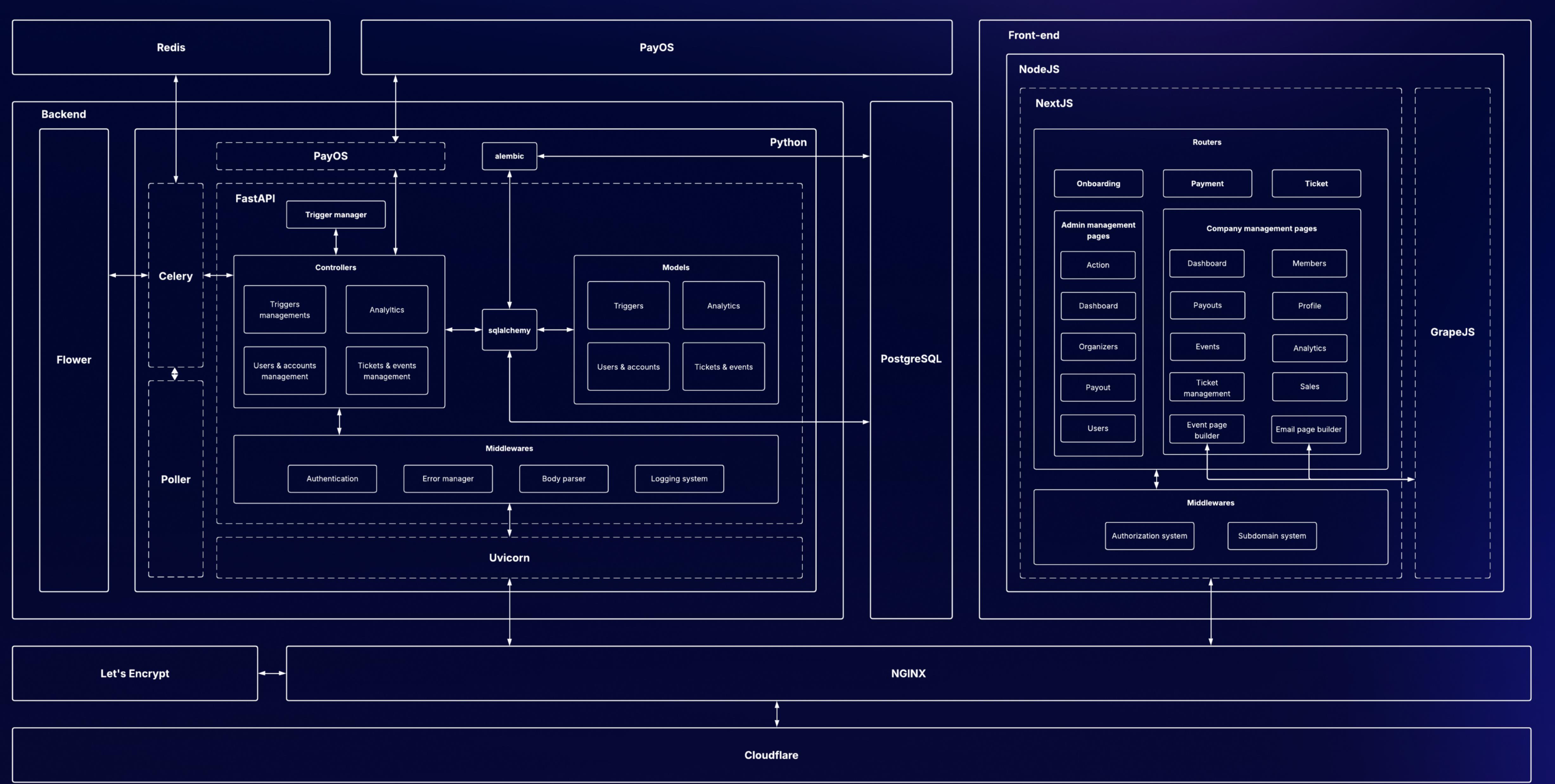


# Real-time Analytics

Measure events efficiently.



# System Architecture



The platform uses a layered architecture.

Frontend: NextJS for components, routing, and GrapeJS page creation with middleware for authorization and subdomains.

Backend: FastAPI manages users, events, analytics, and payments; Celery and Poller handle tasks; Redis supports caching/queues.

Data: PostgreSQL with SQL Alchemy and Alembic ensures reliable storage and migrations.

Infrastructure: PayOS integrates payments, while NGINX, Let's Encrypt, and Cloudflare deliver SSL, CDN, DDoS protection, and performance for a secure, scalable, and efficient system.