

## **Event Seating & RSVP Management Platform**

Production Full-Stack System for Live Events

A production-ready, full-stack web platform designed to manage event seating, guest lists, RSVP flows, and automated WhatsApp communication for weddings and large private events.

This system is actively used in production by an event-settings company, supporting real events with hundreds of guests, real operational constraints, and live on-site usage.

## **Real-World Usage**

Deployed and running in a live production environment

Used by professional event staff during actual events

Handles real guest data, seating logistics, and time-critical messaging

Designed to remain stable under last-minute changes and on-site pressure

This is not a demo or prototype — it is a working system built for real customers.

## **What the Platform Solves**

Event organizers typically struggle with:

Tracking hundreds of guests and RSVP responses

Managing table assignments without exceeding capacity

Coordinating staff access without risking data corruption

Sending timely, reliable reminders and updates

This platform replaces manual spreadsheets and messaging with a secure, centralized system built for real event operations.

## **Core Capabilities**

Event & User Management

Manage multiple events with dates, locations, guarantees, and balances

Assign users to events with strict, event-scoped permissions

### **Role-based access:**

Admin – full system control

Customer – customer-facing portal

Event-specific users – limited access to a single event

### **Guest & Table Management**

Create and manage guests and tables with enforced seat limits

Assign guests to tables with real-time over-capacity warnings

Track arrivals and attendance during the event

Import guest lists from Excel (Hebrew & English headers supported)

Export Excel summaries and seating PDFs (Hebrew fonts embedded)

### **RSVP System (Guest-Facing)**

Unique, secure RSVP page per guest

Guests respond with Coming / Not Coming / Not Sure

No login required for guests

Real-time RSVP statistics in admin dashboard

RSVP links can be copied or sent directly via WhatsApp

### **WhatsApp Automation**

RSVP invitations sent via WhatsApp

Automated reminders sent 2 hours before the event

Messages include event location and assigned table number

Filtering logic prevents duplicate or unnecessary messages

Admin test tools and manual triggers included

### **Customer Portal**

Live event overview

Seating and guest visibility

Arrival tracking

Table occupancy alerts

Downloadable operational reports

## **Security & Reliability (Production-Focused)**

Because this system runs in production, security and reliability were core requirements:

- Role-based access control enforced at middleware, API, and UI levels
- Event-scoped data isolation to prevent cross-event access
- Field-level protections for sensitive financial and staff data
- Rate limiting on authentication and write operations
- Comprehensive audit logging of all sensitive actions
- Prisma ORM with strict validation and parameterized queries

## **Architecture & Technology**

Frontend: Next.js (App Router), React, TypeScript, Tailwind CSS  
Backend: API-driven architecture with protected routes  
Database: PostgreSQL + Prisma ORM  
Authentication: Encrypted session-based auth  
Messaging: WhatsApp integration (Twilio / Business API)  
Storage: Cloud storage for event assets and sketches  
RTL / Hebrew Support: Full right-to-left UI support

This project demonstrates my ability to:

- Deliver production systems used by real businesses
- Build secure, multi-tenant, role-based platforms
- Design for real operational pressure, not just happy paths
- Own the full lifecycle: architecture, security, deployment, and UX
- Integrate external services reliably in time-critical workflows

It reflects how I approach building software that must work on event day, not just look good in a demo.