

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.