

# Edify Platform

Full-Stack Multi-Vendor Marketplace with Stripe Connect

## Project Overview

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Developed a comprehensive marketplace platform enabling athletes to monetize their personal brands through merchandise, trading cards, and subscriptions. The platform serves 500+ active profiles across web and mobile applications with real revenue processing.

**500+**

Active Profiles

**80/20**

Revenue Split

**36+**

Database Tables

## Platform Components

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### Edify Backend (Node.js/TypeScript)

- Enterprise REST API with schema-driven development
- Custom Restura framework for auto-generated routes and types
- BullMQ job queues for async processing
- PM2 clustering for zero-downtime deploys

### EdifyMe.io (WordPress)

- 500+ athlete profile pages
- WooCommerce integration for merchandise
- Custom plugins for commission tracking
- Multi-tenant architecture

## EdifyMobile (React Native)

- Cross-platform iOS/Android app
- Trading card designer with canvas tools
- Camera integration for uploads
- Push notifications

## Payment System

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### Stripe Connect Implementation:

- Multi-party payments with platform fees
- Configurable revenue splits (80% to athletes, 20% platform)
- Automated commission tracking and reconciliation
- Webhook-driven payment status updates
- Subscription management with recurring billing

## Technical Implementation

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### Multi-Tenant Architecture

- Role-based access control (RBAC)
- Row-level security policies
- Organization-scoped data isolation
- JWT authentication with refresh tokens

### Database Design

- 36+ tables with proper normalization
- Complex foreign key relationships
- Optimized indexes for common queries

- Soft deletes and audit logging

## Tech Stack

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**Backend:** Node.js, TypeScript, Express, Fastify

**Frontend:** React, React Native, Expo, Tailwind CSS

**Database:** PostgreSQL, Supabase

**Payments:** Stripe Connect, Webhooks

**Infrastructure:** Docker, PM2, GitLab CI/CD

## Skills Demonstrated

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Node.js

TypeScript

React

React Native

PostgreSQL

Stripe Connect

Multi-tenant

RBAC

REST API

WordPress

## Deliverables

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- Multi-vendor marketplace with payment splits
- Stripe Connect integration with webhook handling
- Commission tracking and payout system
- Admin dashboard for platform operations
- Mobile app (React Native/Expo)
- 500+ user profiles at scale
- Multi-tenant database architecture
- CI/CD pipeline with automated testing

## Why This Matters

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This project demonstrates end-to-end marketplace development at production scale. The Stripe Connect integration handles the complex payment flows required for service marketplaces - platform fees, provider payouts, and commission tracking - exactly what's needed for gig economy and service booking platforms.