# Gregori Rivas

Montecristi, Dominican Republic

+1 (809) 397-0342 | justgrdev@proton.me | justgr.dev | linkedin.com/in/justgrdev

## SUMMARY

Full-Stack Software Developer with 4+ years designing, building, and deploying complete web and mobile systems. Specialized in TypeScript, PostgreSQL, React, and React Native. Proven track record of independent project ownership from architecture to production deployment. Expert in performance optimization, scalability, and clean architecture.

## TECHNICAL SKILLS

**Languages**: TypeScript, JavaScript, SQL, Kotlin, Python, C#

**Frontend**: React, React Router/Remix, TailwindCSS, Zustand, WebSockets, Jetpack Compose

**Backend**: Node.js, Express.js, RESTful APIs, Real-time systems

**Database**: PostgreSQL, SQLite

**Mobile**: React Native, Android native developement with Kotlin

**DevOps & Cloud**: AWS S3, Nginx, Linux/Debian, Fly.io, DigitalOcean, Hetzner, Firebase

**Other**: Unity , Git, Web Scraping, CDN Optimization, System Administration, Cybersecurity

## EXPERIENCE

**Software Developer & Technical Lead**                                    2020 – Present
*Macan Sports*                                        *Montecristi, Dominican Republic*

- Designed and developed from scratch a complete lottery and betting management system serving multiple branches, handling the entire software development lifecycle as sole developer

- Built scalable full-stack architecture using Node.js (Express), PostgreSQL, TypeScript, and Remix framework

- Optimized database performance by migrating from Prisma ORM to Typescript query builder (Kysely), achieving 40% reduction in complex query response times

- Developed native Android mobile application using React Native for mobile agents and field operations

- Implemented real-time communication system using WebSockets for live updates and notifications

- Architected secure authentication with role-based access control and session management

- Managed complete DevOps pipeline: successfully migrated infrastructure from Fly.io to DigitalOcean VPS, currently maintaining production environment on Hetzner

- Integrated S3 Compatible Object Storage for automated database backups and CDN caching for static asset optimization

- Responsible for all technical infrastructure including system maintenance, cybersecurity protocols, hardware installations, and support across multiple locations

- Key system features: Multi-location management, real-time ticket processing, automated lottery scheduling with dynamic closure times, administrative dashboard with analytics, mobile-first responsive design

**Sales Agent**                                                          2018 – 2020
*Macan Sports*                                        *Montecristi, Dominican Republic*

- Managed daily sales operations and customer service for lottery and sports betting services

- Identified operational inefficiencies that led to the development of the current management system

# PROJECTS

**Enterprise Lottery Management System** 2020 – Present
*Full Stack Application - Production* *Node.js, PostgreSQL, React, Remix, React Native*
- Comprehensive business management system for lottery and sports betting operations across multiple locations
- Features: Multi-location user and branch management, real-time ticket processing and sales tracking, automated lottery scheduling with dynamic closure times, administrative dashboard with analytics and reporting, mobile application for on-the-go access
- Technical stack: Node.js, Express, PostgreSQL, React, Remix, React Native, TailwindCSS, WebSockets
- Self-managed VPS infrastructure on Hetzner with S3 integration

**Android TV Multimedia Application** 2022
*Kotlin + Jetpack Compose* *Kotlin, Jetpack Compose, Media Playback*
- Created native Android TV application featuring movies, series, and live TV channels
- Migrated legacy Views architecture to modern Jetpack Compose for reactive and maintainable UI
- Integrated media playback with dynamic content loading and seamless navigation via remote controls
- Optimized performance for TV-specific hardware constraints

**Driver License Validation Tool** 2018
*Unity + C# - U.S. Client* *Unity, C#, AAMVA Standards*
- Developed interactive validation tool to verify driver licenses according to AAMVA (American Association of Motor Vehicle Administrators) standards
- Researched and implemented validation logic from official AAMVA documentation
- Ensured compatibility with multiple state-level ID formats and data patterns
- Created intuitive UI for efficient document verification workflow

**Unity Interactive Projects & Games** 2016 – 2018
*Unity + C# - Cross-platform* *Unity, C#, UI Systems*
- Developed numerous interactive applications and games
- Implemented complex UI systems and user interaction patterns
- Explored gamification techniques and modular architecture design
- Optimized for cross-platform deployment and smooth performance

# EDUCATION

**Universidad Abierta para Adultos (UAPA)** Montecristi, Dominican Republic
*Bachelor's in Software Engineering (In Progress)* *2019 – Ongoing*

**Instituto Tecnológico de las Américas (ITLA)** Dominican Republic
*Ethical Hacking* *2020*

# ADDITIONAL INFORMATION

**Languages**: Spanish (Native), English (Professional Working Proficiency)