

Juan Diego Apuy Villalobos

Web Developer

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[LinkedIn](#) - [Github](#) - [Portfolio](#)

PROFESSIONAL SUMMARY

Full Stack Web Developer with 3+ years of hands-on experience designing and delivering scalable, production-grade web applications. Proficient in modern JavaScript technologies such as React, Next.js, Node.js, and TypeScript, and experienced in building microservices, REST APIs, and real-time systems using WebSockets. Skilled in both SQL and NoSQL databases, CI/CD workflows, and AWS services (EC2, S3). Known for writing clean, maintainable code and contributing effectively to cross-functional Agile teams. Demonstrated success across diverse industries, including betting platforms, e-commerce, and educational systems.

TECHNOLOGIES

Frontend: JavaScript, React, Next.js, Redux, HTML, CSS, Tailwind.

Backend: Node.js, TypeScript, Express.js, Sequelize, MongoDB, Mongoose, Redis, PostgreSQL, Strapi, Postman, Microservices.

DevOps & Cloud: Git, AWS (EC2, S3), Jenkins, Docker, Kubernetes.

Methodologies: Agile, Scrum, Jira.

PROJECTS

Online Casino XYES Web Development, MoonHi – San José

Collaborated on the development of a **sportsbook and betting platform**, contributing to the **client-side, backoffice, and backend**.

- Implemented a **microservices architecture** with gateways and API endpoints for the frontend.
- Built and maintained the **client-side** to ensure a seamless user experience, leading to a 25% faster page load time and lower bounce rate across key user flows.
- Engineered and optimized the **backoffice** for administrative and operational management.
- Designed and managed **user roles and permissions** for secure access control.
- Implemented **Work Order Collisions** handling to prevent task assignment conflicts.
- Integrated **WebSockets** for real-time communication.
- Used **Strapi** for content management, including banners, promotions, and cards, and created custom plugins and providers to extend platform functionality.
- Worked on **VIP assignments** and referral management.
- Streamlined and optimized **deposit and withdrawal** transaction flows.
- Applied **commission claim** processes.
- Monitored **action logs** to track system and user activities.

- Contributed to the development and optimization of **backend** services and **APIs** using **Express.js**.
- Worked with **Node.js**, **TypeScript**, **MongoDB**, **Mongoose**, and **Redis**.
- Engineered a centralized **log storage** solution to streamline monitoring and accelerate root cause analysis.
- Website: <https://xyes.com/>

E-commerce Detinmarin Web Development, Centauro Solutions – Alajuela

- Developed and launched a client-specific e-commerce website using **JavaScript**, **Node.js**, **Next.js**, **Tailwind**, and **Strapi**, significantly improving the user shopping and payment experience.
- Integrated 3+ **payment** and 2 **delivery APIs**, reducing transaction failures by 40% and improving customer satisfaction (CSAT) by 20%.

Educational Platform Mentes Brillantes, Centauro Solutions – Alajuela

- Built an **interactive educational platform** that significantly increased student engagement through real-time tournaments, quizzes, and mental challenges.
- Utilized **JavaScript**, **Node.js**, **Next.js**, **Tailwind**, and **Strapi**.
- Website: <https://www.marathonbrightminds.com/>

Other Projects:

Repuestos Herrera – Freelance Web Development | Heredia, Costa Rica

- Designed and developed a spare parts online store using **React**, **Next.js**, **Node.js**, **Tailwind CSS**, and **Strapi**, featuring 100+ products, providing a more formal digital presence for the business and significantly enhancing customer trust and reliability perception.
- Introduced **warranty ticket management** to streamline product claims and improve customer support.
- Created a **real-time contact** feature, reducing customer response time by 70%.
- Improved **product catalog browsing** and **search**, improving user experience and accessibility.
- Website: <https://repuestosherrera.com/>

EMPLOYMENT HISTORY

Full Stack Web Developer – MoonHi, San José, Costa Rica

Jun 2024 – Present

Full Stack Web Developer – Centauro Solutions, Alajuela, Costa Rica

Nov 2022 – Jun 2024

CAD Designer – Smile Direct Club, San Rafael, Alajuela

Oct 2016 – Jan 2022

EDUCATION

- B.Sc. in Systems Engineering, Universidad Nacional, Heredia. Expected 2025
- Full Stack Web Developer. Henry Bootcamp. 2022
- Diploma in Systems Engineering, Universidad Nacional, Heredia. 2021.
- Technical Degree in Software Development, C.T.P. San Pedro, Barva. 2013.

CERTIFICATES

- Certified Pega System Architect (CPSA)
- Postman API Fundamentals Student Expert

LANGUAGES

- Spanish: Native.
- English: B2 – Upper Intermediate

Skills

- Full-Stack Development
- Microservices Architecture
- REST APIs & WebSockets
- Database Management (SQL & NoSQL)
- Problem-Solving
- Teamwork & Collaboration
- Adaptability
- Process Optimization