

Steven Brenes

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PROFESSIONAL SUMMARY

Software Developer with a solid background in Computer Engineering and experience in creating custom web applications. I have worked on corporate and institutional projects, leading developments from concept to implementation. Specialized in modern technologies such as Laravel, AstroJS, Docker, and TailwindCSS, with a focus on efficiency, scalability, and best practices. Passionate about continuous improvement and effective problem-solving.

WORK EXPERIENCE

Technical Architect & Sr. Full Stack Developer @ Vector CR

04/2024 - Present

- **SaaS Architecture and Scalability:** Led the conception and architecture of a multi-tenant platform (Vector Bookings) with Laravel 12, Octane, and Redis, designed for the hotel sector, managing dynamic database provisioning for each client (tenant) and ensuring high concurrency.
- **DevOps and CI/CD Optimization:** Managed the complete DevOps infrastructure (DigitalOcean, Docker, Coolify), implementing CI/CD pipelines that automated deployments. Improved disk usage on the production server by up to 28% thanks to automated Docker container management with Coolify.
- **Advanced Product Development:** Developed and deployed white-label booking engines with i18n support, secure payment gateways (Stripe/PayPal), and business logic for enterprise-level features such as Channel Managers.
- **High-Performance Solutions:** Implemented high-performance static sites with AstroJS and Tailwind CSS (e.g., tax refund calculator), integrating custom APIs and focusing on SEO optimization.

Software Developer (Contract/Project-based) @ Cultivar HR (for Aufsite-Pfizer)

03/2024 – 05/2024

- Contributed to a web portal project for managing virtual instances via AWS AppStream.
- Developed the initial integration logic for SSO (Single Sign-On) authentication in a strict corporate security environment.
- Adapted backend functionalities using .NET.

Freelance Full Stack Developer

2020 – 2024

- Developed a comprehensive ERP system (inventory, accounting, project management) using Laravel and MySQL for multiple SMB clients, delivering tailor-made solutions for managing their operations.
- Designed and maintained an all-in-one institutional platform that managed employee attendance and real-time project status.
- Continuous codebase refactoring to implement modern MVC patterns and **improve performance by up to 15%** on critical queries.

Software Developer @ SSNE Group Inc.

09/2022 – 04/2023

- Led the modernization of a legacy system into a scalable Laravel platform.
- Developed a key module for 3D model visualization and automated document management for multiple enterprise formats.
- Automated inventory deduction logic and implemented real-time budget calculation algorithms, which **reduced manual error and improved operational accuracy**.
- Created complex reporting tools using DomPDF and optimized heavy MySQL database queries.

EDUCATION

Bachelor's Degree in Computer Engineering

Universidad Castro Carazo | 2020 – 2023

TECHNICAL SKILLS

- **Languages & Frameworks:** Laravel, PHP, JavaScript, AstroJS, .NET, REST APIs
- **Frontend:** TailwindCSS, Bootstrap, AdminLTE
- **DevOps & Infrastructure:** Docker, Coolify, Git, Basic CI/CD, AWS AppStream, DigitalOcean
- **Databases:** MySQL, PostgreSQL, Redis
- **Others:** SSO, PDF Generation (DomPDF), Role-Based Access Control (RBAC)