

Octavio Serrago

Systems Analysis student and Software Developer

Ciudad de Buenos Aires, Argentina



About me

I am an advanced student of Systems Analysis and Software Development at Escuela Da Vinci in Buenos Aires, with a strong passion for leveraging technology to enhance organizational efficiency and innovation. Currently, I am actively contributing to the growth of Marmolería Verona—a company with over 30 years of experience in the marble and construction industry—by implementing technological solutions to optimize processes and drive strategic improvements. With a focus on fostering collaboration and streamlining operations, my aim is to deliver impactful results that support business sustainability and create a foundation for future advancements.

Work Experience

Marmolería Verona 2022 - Current
IT Development Lead for administrative renewal and systems implementation.

In this role, I lead the modernization of administrative processes by implementing tailored technological solutions to optimize workflows and resource management. Collaborating with cross-functional teams, I enhance communication, streamline operations, and integrate financial and operational systems. My efforts focus on driving productivity, enabling data-driven decision-making, and ensuring the successful adoption of new technologies aligned with the company's strategic objectives.

Education

Escuela Da Vinci 2022 - Current
Systems Analyst - Final Semester (GPA: 8.25)

Certificates

Cambridge English (Lvl. B2) 2020 - 2020
First Certificate in English (FCE)

Coderhouse 2022 - 2022
Web Development

Proyects

Verona Web Page

Complete redesign of the Marmolería Verona website, which previously only displayed limited information about colors, some of which were out of stock but still offered. New materials, which were previously not showcased, have now been added to the site. The entire user interface (UI) of the catalog, materials, and display was revamped with a focus on accessibility and enhancing the user experience. Additionally, the best-selling sinks, which were not previously available on the website, are now featured. Significant improvements in SEO were achieved, along with a 75% reduction in deployment costs, eliminating the need for costly annual maintenance by opting for more efficient solutions.

- Complete website redesign
- Updated catalog with new materials and best-selling sinks
- Significant SEO improvements
- 75% reduction in deployment costs
- Full UI overhaul

Verona API

Verona API is a robust API built with Express, designed to handle various aspects of business operations, including sales, users, sinks, Blueprints, Blueprint images, and other related data. The API is secured with JSON Web Tokens (JWT) to ensure safe and authorized access to endpoints, and user passwords are securely hashed using bcrypt. The database is powered by MySQL, providing reliable storage and efficient querying of business-critical data. Currently in the testing phase, the API is fully deployed and, as a result, has achieved a 100% reduction in deployment costs by utilizing cost-effective solutions. Due to security reasons, the project is not publicly available on GitHub or via a public URL.

- Built with Express.js
- JWT-based security for authentication
- User passwords securely hashed with bcrypt
- Routes for managing sales, users, sinks, Blueprints, and images
- MySQL database for reliable data storage
- Focus on secure and efficient data handling
- Fully deployed with a 100% reduction in deployment costs

VeronaApp

Verona App is the frontend application that works in conjunction with Verona API. Built primarily with React and Axios for making secure API calls, it provides users with an intuitive interface for managing and interacting with business data. Users can view sales data, update their credentials, and track the status of production related to plans in each sale. The app offers a variety of features aimed at streamlining operations and improving user experience. Additionally, by leveraging cost-effective deployment solutions, Verona App has achieved a 100% reduction in deployment costs. Due to security reasons, the project is not publicly available on GitHub or via a public URL.

- Frontend built with React
- Secure API calls using Axios
- User management with credential updates
- Sales data display and production tracking for related plans
- Fully deployed with a 100% reduction in deployment costs
- Streamlined user experience with various interactive features

Skills

- Java
- HTML
- CSS
- JavaScript
- React
- MySQL
- Express
- Git
- GitHub
- Tailwind
- Node
- Spring