

JUAN SEBASTIÁN RODRÍGUEZ

SOFTWARE ENGINEER

SUMMARY

- Experienced developer with a robust foundation in backend programming, encompassing expertise in software analysis, design, and implementation.
- Highly skilled in object-oriented, event-driven, and configuration-focused programming, adeptly leveraging design patterns to architect robust and scalable software solutions.
- Proven track record in understanding client needs and delivering tailored solutions that meet their specific requirements.
- Skilled in documenting software development processes and creating comprehensive documentation to facilitate seamless project execution and future maintenance.
- Enthusiastic about applying architectural best practices and design patterns to optimize system performance, scalability, and security.
- Committed to continuous learning and staying up-to-date with emerging trends.
- Experienced in collaborating with cross-functional teams, gathering requirements, and effectively communicating project objectives and progress.

SKILLS

- **Programming languages:** JavaScript, Ruby, Python.
- **Frameworks and tools:** Nest.js, Ruby On Rails, Node.js, Docker, Django.
- **Software development foundations:** DDD, Clean Architecture, Scrum and SOLID principles
- **Databases:** PostgreSQL, MySQL, SQL Server, SQLite, MongoDB
- **Version control systems:** Git y GitHub.
- **Languages:** English B2+ (Professional working proficiency)).

WORK EXPERIENCE

August 2022 - July 2023- Backend Engineer Developer, Monsi, monsi.com.co/

Project: Development of a web-based format management system for the information involved in the company's production processes, based on configuration-oriented programming.

Team Size: 1 Scrum master, 1 Frontend engineer, 1 Backend engineer, 1 UX designer.

Project Role: Backend engineer.

Tasks performed:

- Designing and implementing the database structure for storing format-related information, using PostgreSQL as DB.
- Developing the backend logic and APIs for managing and manipulating formats through a logically configured interface from the client itself.
- Implementing authentication and access control mechanisms to ensure secure access to the system, using JWT.
- Implementing data validation and business rules to enforce data integrity and consistency, based on Clean Architecture and configuration-oriented design patterns.
- Striving to achieve customer satisfaction and mutual understanding of the client's needs.
- Ensuring thorough documentation to deliver a product that aligns more closely with the client's requirements.

Environment: TypeScript, NestJS, Docker, Node.js, PostgreSQL, Git, Clean-architecture, factory and proxy patterns.

Contact: Angie Lora -- 319 377 08 51

February 2022 - August 2022 - Developer, LoroRojo, lororojo.co

Project: Focused on integrating enterprise resources to generate business logic and improve operations, while also driving client-to-client sales efforts, in order to validate a minimum viable product (MVP) for an educational ecommerce platform.

Team Size: 1 Backend developer, 1 Designer, 1 Sales specialist.

Project Role: Backend developer.

Tasks performed:

- Collaborate with the team to analyze business requirements and propose technical solutions.
- Engaging in a dialogue with the client regarding potential solutions that could be implemented for a Minimum Viable Product (MVP) Delivery.
- Prototyping on an ecommerce platform using Ruby on Rails that enables the customer to consistently complete their purchases with an intuitive interface and streamlined processes.
- Ensure easy access and efficient maintenance of information, providing users with quick availability in the API through the use of MySQL.

Environment: MySQL, Ruby on Rails, Node.js, HTML, SEO.

Contact: Andres Hincapie -- 300 253 36 64

March 2021 - February 2022- Software and Research specialist, NutresSabores SAS.

Project: Dedicated to research and innovation endeavors within the technological domain of the production company. Organized data and streamlined processes through software automation.

Team Size: 1 Project manager , 1 Software and Research Specialist.

Project Role: Research Specialist.

Tasks performed:

- Take charge of leading research and development initiatives in the technological area of the company.
- Implemented a Python web application for efficient data collection and manipulation, allowing stakeholders to input, access, and manage information seamlessly.
- Implement programming logic in the machines used in the production process with python and collecting information with MySQL to display on excel.
- Integrated data storage in a secure database and developed custom features for sorting, filtering, and exporting data, enhancing the company's decision-making processes.
- Collaborate with cross-functional teams, including engineers, technicians, and other specialists to collectively work towards optimizing.

Environment: SQLite, Excel, Python.

Contact: Roberto Gonzalez -- 300 617 30 65

EDUCATION

Systems Engineering Degree (ongoing fourth semester) Engineer Faculty, Remington.

Data Analytics (ongoing),Google.

Backend Developer(ongoing), IBM.

POO, Functional,Events and Configuration programing, TeamTreeHouse.

RESOURCES

Linkedin: www.linkedin.com/in/juan-sebastian-rodriguez-00647a238/

GitHub: github.com/seb722x

E-mail: Juan.sebas-722@hotmail.com

References

Patricia Avendaño: 310 549 23 10

Juan Pablo Gallego: 324 479 18 24 (Front-end programmer)