

# Santiago del Rivero

## Software Engineer

I began my career in Science - astronomy, and later transitioned into software engineering. My background in physics and mathematics gave me a solid foundation for solving complex problems with precision and clarity.

In recent years, I've been focused on systems engineering. I'm passionate about using technology to solve real-world challenges, always seeking to deliver impact through innovation and thoughtful execution.

### Contact info:

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### Full-time availability to work remotely

## EXPERIENCE

References available upon request

### Cencosud

Aug 2022 – Present  
Software Engineer

In charge of full-stack web development in TypeScript with React for frontends and NestJS for backends.

Leading a team to create infrastructure, craft solutions, and implement products in various countries with a stack that comprises Kubernetes, Terraform, and AWS resources such as Amazon S3, DynamoDB, DocumentDB, AWS Secrets Manager, and AWS Lambda.

Building clean architecture with microservices and REST APIs with Node.js and Express.js, Swagger for descriptions, and K6 for stress tests. Developing frontends with a stack including React, EJS, CSS, HTML5, Bootstrap, Sass, and Jest. Creating and implementing ad media solutions via Topsort and Google Ad Manager.

Deploying apps to production via VTEX and coordinating DevOps tasks such as CI/CD with GitHub Actions. Employing Git for version control and New Relic to monitor systems.

Technologies used: TypeScript, React, EJS, Node.js, Express.js, NestJS, HTML5, CSS, Sass, Bootstrap, REST, AWS (S3, DocumentDB, Lambda, Secrets Manager, DynamoDB), Terraform, Kubernetes, New Relic, Swagger, Jest, K6, Git, GitHub Actions, Jira, VTEX, Google Ad Manager, Topsort, DevOps, Scrum, CI/CD, Microservices.

### UdelaR

Jul 2021 – Dec 2021  
Assistant Professor

Taught theoretical and practical physics courses at the university's School of Agronomy. Developed learning material and prepared courses.

## INDEPENDENT PROJECTS

### Graduation Thesis

Jul 2021 – Mar 2022  
Bachelor's Degree Candidate

Developed the thesis Census of Binary Systems in Nearby Young Moving Groups. Coded in Python to create a solution that detected and categorized binary stars.

Technologies used: Python.

### WhatsApp Chatbot

Apr 2025 – May 2025

## Software Engineer

Created an AI chatbot connected to the WhatsApp API and OpenAI API to enable automated replies and accelerate the customer service process.

Technologies used: WhatsApp API, OpenAI API, AI.

## CERTIFICATIONS AND COURSES

Certificates available upon request

### AWS

AWS Security Essentials, 2023

AWS Technical Essentials, 2023

### LinkedIn

SCRUM: Roles, 2023

### John Hopkins University

HTML, CSS, and JavaScript for Web Developers, 2022

### Udemy

TypeScript: A Complete Guide, 2022

React: Mern, 2022

DevOps Fundamentals and Microservices Architecture, 2022

Introduction to Git for GitLab Projects, 2022

React JS Hooks, 2022

Testing React with Jest and React Testing Library, 2022

### Cambridge University

First Certificate in English, 2021

## EDUCATION

### UdelaR

Bachelor's Degree in Astronomy, 2023

## LANGUAGES

Spanish – Native

English – Intermediate

Italian – Beginner

## SKILLS

- JavaScript
- TypeScript
- React
- Next.js
- EJS
- Node.js
- Express.js
- NestJS
- HTML / HTML5
- CSS
- Sass

- Bootstrap
- Python
- R
- Fortran
- MATLAB
- REST
- AWS
- Amazon S3
- Amazon DocumentDB
- AWS Lambda
- AWS Secrets Manager

- DynamoDB
- Terraform
- Kubernetes
- New Relic
- Swagger
- Jest
- k6
- Git
- GitHub Actions
- Jira
- VTEX

- Google Ad Manager
- Topsort
- WhatsApp API
- Twilio API
- OpenAI API
- DevOps
- Scrum
- CI/CD
- Microservices
- AI