



SERGIO RODRIGO CÁRDENAS RIVERA

✉ rodrigosergio93@gmail.com

📍 Cochabamba, Bolivia

☎ +591 77418588

in linkedin.com/srodrigo23

🐙 github.com/srodrigo23

📦 srodrigo23.github.io/portfolio/

PROFILE

Hi! I'm a Systems and Informatics engineer and a dedicated software developer with a strong foundation in programming, web, and mobile development. Recently, I've begun exploring data science and artificial neural networks, further broadening my technical expertise. I'm quick to pick up new languages and tools whenever needed, enjoying the challenge of adapting to evolving tech demands. With a blend of technical skills, creativity, and a knack for problem-solving, I'm ready to make a positive impact on any team. My experience with modern programming languages, frameworks, and tools allows me to contribute meaningfully to dynamic projects. Eager to apply my skills and collaborative spirit, I'm committed to continuous growth in the tech industry.

EDUCATION

Systems Engineering <i>Bachelor Degree Systems Engineering</i> San Simón University	2011 – 2018 Cochabamba, BO
Informatics Engineering <i>Bachelor Degree Informatic Engineering</i> San Simón University	2018 – 2021 Cochabamba, BO
Postgrade in University Education Based on Competencies San Simón University	September 2021 Cochabamba, BO
Master in Data Science & Smart Technologies Oruro's Technical University	Currently Remote

TECHNICAL SKILLS

Programming Languages: Proficient in Python, Java, JavaScript, Typescript, Visual Basic For Applications
Web Development: HTML, CSS, React, Node.js
Back-end Development: Experience in Flask, Express.js
Database Management: PostgreSQL, MySQL, MongoDB
DevOps & Tools: Knowledgeable in Docker, GIT
Mobile Development: Android with Java and Kotlin

WORKING EXPERIENCE

Data Engineer at Alicorp. <i>Remote Location</i> Alicorp is a Food Industry with a products variety with a very huge data about sales and clients, offering the best deals with their customers. <ul style="list-style-type: none">• Use of unsupervised machine learning algorithms.• Python and Machine learning libs like scikit-learn.• Data visualization with matplotlib.• Data queries with SqlServer.	Aug. 2024 – Nov. 2024
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Software Engineer at Oktana Corporation

Dec. 2021 – Feb. 2024

Remote Location

Oktana is a Software development agency that helps companies innovate with Salesforce technologies.

- Web development with Python using Flask, React, SQLAlchemy, Docker, and Rasa Framework.
- Mini projects in Next.js with Typescript, Tailwind CSS, AWS S3 Bucketeer, Heroku, Prisma, and PostgreSQL.
- Salesforce demos with Aura and Lightning Web Components.

PERSONAL PROJECTS

Media Box Player 2018

Mobile application to stream multimedia files for Dropbox storage, developed in Java for Android platform.

- Project presented to get Systems Engineering Degree
- Model-View-Presenter pattern used to design Software Architecture.
- ExoPlayer Google library was used to stream data.
- Dropbox API used to connect to the account

Video Surveillance Smart System 2021

System to home video surveillance to detect fire, smoke, and human silhouette.

- Project presented to get Informatics Engineering Degree
- Camera module to capture video frames and send them to the server.
- Server receives the frames and seeks fire, smoke, and human silhouette in all frames.
- Server sends an alert through email and WhatsApp messages with a caption.
- The client can watch live stream video from the detector camera.
- Pre-trained neuronal network to identify human silhouette.

CERTIFICATIONS AND COURSES

Power BI - Basic and Intermediate level	Jun 2023
San Simon University – Science & Technology College	C.A.E. Project

Crash Course in Python	Jan 2023
Certificate's link	Coursera

Salesforce Developer 1	Mar 2022
Certificate's link	Trailhead

Trailhead Salesforce - Ranger Level	Apr 2022
Credential's link	Trailhead

Python (Basic)	Jan 2022
Certificate's link	Hacker Rank

Java (Basic)	Julio 2020
Certificate's link	Hacker Rank

Problem Solving Certificate	Julio 2020
Certificate's link	Hacker Rank

TEACHING EXPERIENCE

Subject "Computación 1" Professor	Summer 2024
San Simon University – Science & Technology College	Cochabamba, BO

Subject "Computación 1" Professor	Winter 2023
San Simon University – Science & Technology College	Cochabamba, BO

Subject "Computación 1" Teacher Assistant	2014 – 2017
San Simon University – Science & Technology College	Cochabamba, BO

Subject "Introducción a la Programación" Teacher Assistant	2015
San Simon University – Science & Technology College	Cochabamba, BO

Subject "Computación 1" Teacher Assistant on Winter and Summer Courses San Simon University – Science & Technology College	2015 - 2018 Cochabamba, BO
Instructor - Visual Basic For Applications in Excel San Simon University – Science & Technology College	2014 – 2018 Cochabamba, BO
Instructor - Microsoft Office UMSS & Septima División del Ejercito Boliviano	December 2014 Cochabamba, BO

CONFERENCES AND PRESENTATIONS ATTENDED

Java Programming TEKHNE S.R.L	March 2011
First Look Clinic - What's new in Microsoft Exchange Server 2010 C.O.G.N.O.S.	May 2012
Ley 164 , General de Telecomunicaciones, TICs, Certificacion y Firma digital San Simón University	September 2012
Los pilares de la generacion de contenidos basados en TICs en Bolivia San Simón University	September 2012
Alcances y perspectivas del satelite de comunicaciones Tupak Katari San Simón University	September 2012
2das Jornadas de Seguridad Informatica Scientific Society of Systems & Informatics – San Simón University	October 2012
3ras Jornadas de Seguridad Informatica San Simón University	September 2013