

Sebastian Andree Rivadeneira Rodriguez

Information Systems Engineer



Data Analysis, Cloud & Cybersecurity

TECHNICAL SKILLS

Frontend

HTML, CSS, JavaScript, React, Next.js, Bootstrap

Backend & Applications

PHP, Java, Spring, Maven, MVC, Electron

Databases

MySQL, Oracle, Supabase

Cloud y DevOps

Docker, Docker Compose, FastAPI, Streamlit, MLflow, Vercel, Render, GitHub, CI/CD

Data Analysis

Python, pandas, NumPy, scikit-learn, SciPy

Clustering & Validation

K-Means, K-Means++, DBSCAN, Agglomerative, validation metrics

Quality Assurance

Selenium IDE, UI.Vision RPA, Apache JMeter, OWASP ZAP, Lighthouse, Chrome DevTools

Cybersecurity

ISO/IEC 27001, RBAC, MFA, Zero Trust

Systems Simulation

ProModel, Stat::Fit

Project Management & Agile

Scrum, Kanban, Jira, Design Thinking, Lean Startup

Office Productivity

Macro automation, Advanced Excel

Graduate Information Systems Engineer from San Ignacio de Loyola University, with experience in data analysis, clustering, and cloud architectures applied to customer segmentation. I have professional experience in remote and international work environments, communicating in English with foreign clients and providers. I also have knowledge of cybersecurity under the ISO/IEC 27001 standard, the Scrum framework, and DevOps culture, along with a working knowledge of software quality assurance and systems simulation. I am a resilient and proactive person with strong teamwork skills, focused on developing technology solutions with organizational impact and a projection toward international environments.

PROFESSIONAL EXPERIENCE

Bilingual Agent and Tester

Conservance - Teleperformance Perú S.A.C.

Sep. 2025 – Apr. 2026 · Remote

- Consistent achievement of the role's performance indicators
- Management of activation and transfer processes for public utility services for residential properties in the United States, in accordance with established protocols.
- Communication in English at a C1 level with U.S. clients, providers, and entities, handling documentation and full follow-up on each case.
- Simultaneous use of multiple internal tools and systems for coordination with various service providers, within a remote work setup.
- Participation in internal testing of the company's new management system: functional testing, screen validation, UX evaluation, and feedback prior to launch.
- Development of Excel macros to automate repetitive tasks, reducing time within the daily workflow.

LANGUAGES

Español - Native

Ingles - Advanced

SOCIAL

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Portfolio:

<https://rivadeneira-sebastian-resume.vercel.app/>

GitHub:

<https://github.com/Seband54/rivadeneira-sebastian-resume>

LinkedIn:

<linkedin.com/in/sebastian-rivadeneira-6496ab277>

ACADEMIC BACKGROUND

Graduate, Information Systems Engineering

San Ignacio de Loyola University

2026, Lima Perú

Graduate, Advanced English Course

Peruvian-North American Cultural Institute

2020, Lima Perú

MET English Teaching Methodology

Peruvian-North American Cultural Institute

2021, Lima Perú

CERTIFICACION

CCNA: Introduction to Networks

Cisco Networking Academy, USIL — Jul. 2025

IT Essentials: PC Hardware and Software

Cisco Networking Academy — Jul. 2022

Digital Marketing Fundamentals

Google Garage Digital & IDB — Jun. 2022

Participant, CITIIC Congress

USIL — 2022

Participant, CITIIC Congress

USIL — Aug. 2021

Introduction to IoT

Cisco Networking Academy — Nov. 2020

Software Developer

Peruvian Union University

Nov. 2024 – Dec. 2024 · Internship

- Development of an interactive memory game using HTML, CSS, and JavaScript.
- Packaging and deployment of the desktop application using Electron.
- Project progress documentation in line with client requirements.

Systems Practitioner

Chilca Huancayo Academy

Dec. 2023 – Mar. 2024

- Development of a desktop application for the institution's academic management.
- Implementation of a business WhatsApp chatbot for handling inquiries.
- Advisory on cybersecurity and database administration.

Receptionist & Technical Support

Real Huancayo Hotel

Dec. 2022 – Jan. 2023

- Issuance of electronic receipts and invoices.
- Implementation of a VPN network and general technical support.
- Database management using Excel and document digitalization.

Administrative Assistant

La Placita Huancayo Supermarket

Mar. 2022

- Management of databases and issuance of electronic documents.

Thesis — Cloud Data Analysis System for Customer Segmentation

- Cloud-based data analysis system that improves customer segmentation quality through various clustering algorithms, including a proprietary automatic k-search variant.
- Architecture composed of an API, a visualization dashboard, and an experiment tracking module, containerized and deployed to production.
- Cleansing and normalization of more than 110,000 records from three real-world datasets in the retail, marketing, and services sectors.
- Statistical validation of results, with proven improvements over a traditional baseline scenario. Scalability testing with volumes of up to one million records.

Cybersecurity — ISMS under ISO/IEC 27001

- Application of the ISO/IEC 27001 standard in the design of an Information Security Management System for a remotely operated software development agency.
- Assessment of technological and human risks under a least-privilege (Zero Trust) approach, based on an analysis of the organizational context and stakeholders.
- Role-based access control model and multi-factor authentication scheme, to eliminate excessive privileges across the organization's platforms.
- Internal legal framework for the protection of information and intellectual property, together with secure development practices integrated into the technical workflow.

DevOps — StudentRisk Platform for University Dropout Prevention

- Web platform for early detection of student dropout risk, developed under Design Thinking, Lean Startup, and the Scrum and Kanban frameworks within a DevOps lifecycle.
- Backlog managed in Jira, organized into epics and user stories distributed across different sprints, with rotating responsibility for the Scrum Master and development roles.
- Business logic, authentication, and database connectivity, developed collaboratively through version-control branches and continuous integration into the main branch.
- Risk assessment engine and artificial intelligence module applied to academic data, with interface prototyping for an MVC and continuous deployment to the cloud.

Software Quality — Quality Assurance for a Web Application

- Quality assurance plan for a web platform managing an amusement park, with defined quality objectives, testing strategy, and acceptance criteria.
- Functional, validation, usability, performance, compatibility, and security test cases, executed following industry best practices.
- Automation of repetitive functional tests and execution of performance tests under concurrent load.
- Identification of access control and configuration vulnerabilities through security analysis, documented according to severity level.