Alex Rodolfo Alcantara Zuñiga

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Software Developer with a Bachelor's Degree in Systems and Computer Engineering, experienced developing and deploying web applications to digitize processes in the public sector. Hands-on experience with Laravel, React, Java/Spring Boot, Python/Django, REST APIs, and SQL databases, plus applied machine learning projects.

PROFESSIONAL EXPERIENCE

UGEL Santa — **Nuevo Chimbote, Perú**
Software developer — *January 2025 – August 2026*

- Developed and deployed a web platform for the digital management and retrieval of official records (actas) using Laravel 11, React 19 and MySQL, built on a decoupled REST API and SPA architecture.
- Implemented authentication and permissions, audit logging, advanced search, a document viewer, duplicate detection and metadata extraction from PDF files.
- Optimized SQL queries, backend validations and data integrity controls to improve the management and availability of institutional information.
- Centralized and digitized document retrieval through the platform, reducing information search time by 80%.

FEATURED PROJECTS

Nexo — Credit Scoring System with Machine Learning (credit-risk-ml-29p9.onrender.com)
[*Python, Django, scikit-learn, Pandas, JavaScript, Docker*]

- Developed and deployed a web application that evaluates individual applications and Excel batches using a Random Forest model, displaying the classification and the estimated approval probability.
- Implemented a scenario comparison tool that runs new predictions, a per-session history over time, Excel export, and a web dashboard that incorporates visitor queries.
- Repository: github.com/AlexDeRivia/credit-risk-ml

Bazar Central Commercial System (sistema-comercial-bazar.onrender.com)
[*Java, Spring Boot, PostgreSQL, Spring Security, Spring Data JPA, Thymeleaf, Stripe*]

- Developed a web application with a catalog, shopping cart and admin panel to manage products, suppliers, customers, employees, purchases and orders.
- Integrated Stripe Checkout with order confirmation via webhooks, stock control and informational PDF receipts. Implemented authentication with Spring Security and persistence in PostgreSQL.
- Repository: github.com/AlexDeRivia/sistema-comercial-bazar

TECHNICAL SKILLS

- **Backend:** Java, Spring Boot, PHP, Laravel, Python, Django, REST APIs
- **Frontend:** JavaScript, TypeScript, Next.js, React, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Databases:** MySQL, PostgreSQL, Microsoft SQL Server
- **Data & ML:** Scikit-learn, Pandas, NumPy, Power BI
- **Tools & Technologies:** Git, GitHub, Docker, Maven, Vite, GCP

EDUCATION

Universidad Nacional del Santa — **Nuevo Chimbote, Perú**
Systems and Computer Engineering — *May 2021 – December 2025*

LANGUAGES

- **Spanish:** Native
- **English:** Intermediate – B2