Ezequiel Garibotto

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GitHub | Portfolio

ABOUT MYSELF

I am a software developer with a strong analytical mindset and a clear focus on **backend engineering, artificial intelligence, and big data**. I represented my high school in the national **ProgramaMe 2024 and 2025 finals in Madrid**, achieving **4th place**, which reinforced my problem-solving abilities and competitive drive.

While experienced across the full stack, I am currently specializing in **backend, data engineering, and AI systems**. I am pursuing a **Master's in Artificial Intelligence and Big Data**, expanding my expertise in machine learning, predictive modeling, big data architectures, and cloud technologies. I find myself also developing **Facts: News AI Summary**, an Android + Python solution with an end-to-end ETL pipeline capable of scraping, parsing, clustering, and generating neutral news summaries using advanced ML techniques. The project includes a fully deployed backend on **Google Cloud Platform** and a production-ready Android application built with Kotlin and Jetpack.

I aim to apply this experience to deliver scalable, high-impact **backend and data-driven solutions** that integrate cloud infrastructure, machine learning, and clean engineering principles.

PROJECTS

Facts: News AI Summary | App Page   **Dec 2024 - Present**
- Application with an ETL flow that generates neutral news, combining diverse powerful technologies for the backend: Scraping, XML parsing, ML algorithms for embedding and clustering, use of text generation APIs, among others.
- Implemented periodic semantic clustering of news articles sourced from the RSS feeds of more than 10 Spanish media outlets.
- Built a robust system to ensure the generation of neutral versions for clusters of semantically grouped news.
- Developed both a solid and complex backend and a user-friendly Android application (November/December release on the PlayStore)

EXPERIENCE

Eulix   **Oct 2024 - Apr 2025**
Junior Android Developer   *Barcelona, Hybrid*
Development of an application with the objective of recommending content (movies, series), based on the user's personality, mood and preferences.
- Developed a chatbot (Virtual Assistant) for onboarding and 'How It Works' section, enhancing user engagement and support.
- Designed and enhanced the UI across all app screens, driving continuous UX improvements through iterative design ideas.
- Integrated RESTful API with Retrofit in collaboration with the back-end team, ensuring seamless data exchange and application functionality.
- Coordinated with an international team in India, facilitating effective communication and project alignment across different time zones.

TELUS Digital   **Jul 2023 - Jan 2025**
Data Analyst / Data Annotator   *Remote*
- Classified, evaluated, and described queries, audio, video, images, and other data types to ensure relevance and quality.
- Applied professional English, general knowledge, and digital literacy to enhance the accuracy and contextual understanding of content across different task types

EDUCATION AND TRAINING

Linkia FP   **Dec 2025 - Dec 2026**
Master's in Artificial Intelligence and Big Data   *Remote*
- **Coursework:** Programación de Inteligencia Artificial 165h, Sistemas de aprendizaje automático 66h, Big Data Aplicado 99h, Modelos de Inteligencia Artificial 66h, Sistemas de Big Data 99h, Proyecto de Inteligencia Artificial y Big Data 105h

Institut Tecnològic de Barcelona   **Sep 2023 - May 2025**
Higher Vocationmal Degree - Multiplatform software development (DAM) - Intel·ligent Systems   *Nou Barris, Barcelona*
- **GPA:** 9.08/10
- **Achievements:** Represented the institute in national competitive programming competitions, in 2024 and 2025 in a team of 3.
- **Coursework:** Programming Fundamentals, Android applications development, Web development, Client-Server communication, SQL and NoSQL database management, Data Analysis and Visualization, Development in groups following Agile methodologies

TECH SKILLS

- **Programming languages**: Kotlin, Python, Java, TypeScript
- **Android**: Android SDK, Jetpack, Compose, XML ViewSystem, Datastore, Room, Gradle, Coroutines, Hilt, Dagger, DAO, LiveData, MVVM, Retrofit
- **Back-end**: GCP, Cloud Functions, Cloud Scheduler, Firebase, CI/CD, Docker, FastAPI, MongoDB, SQL, NoSQL, NodeJS, RESTful API, Ktor, SOQL, Postman, Node.js
- **AI / Data**: ETL, Scraping, Crawling, Parsing, BeautifulSoup, Clustering, Generative AI, Pandas, NumPy, NLP, Google Colab, Jupyter Notebooks, Data Visualization, Matplotlib, Scikit-learn, Predictive Modeling, Classification Algorithms
- **Front-end**: React, TailwindCSS, HTML, JS, Next.js, CSS, UX, UI
- **Methodologies**: Clean Architecture, SOLID principles, Agile, Scrum, Kanban, Git, Github, Jira, Proofhub, Trello
- **Learning**: R, N8N, Keras, TensorFlow, PySpark, Flask, Power BI, Grafana, PostgreSQL, MongoDB, Hadoop, Kafka, MQTT, RAG

LANGUAGES

- Spanish (Native)
- Catalan (Native)
- English (C1)
- German (A1)