



Riccardo Lora

Nationality: Italian **Date of birth:** 1981/09/29

✉ **Email address:** riccardo.lora@univr.it

📍 **Home:** Porto Mantovano (Italy)

EDUCATION AND TRAINING

Master's Degree in Computer Science

University of Verona [2010/07/20]

City: Verona | **Country:** Italy | **Website:** <https://www.univr.it> | **Field(s) of study:** Information and Communication Technologies | **Final grade:** 109/110 | **Thesis:** Design and implementation of a temporal data warehousing system for the analysis of adverse drug reactions. Advisor: Prof. Carlo Combi. Co-advisor: Prof. Ugo Moretti.

Bachelor's Degree in Computer Science

University of Verona [2005/03/15]

City: Verona | **Country:** Italy | **Website:** <https://www.univr.it> | **Field(s) of study:** Information and Communication Technologies | **Final grade:** 100/110 | **Thesis:** Conceptual design of XML documents - development of modules for checking integrity constraints and deriving types. Advisor: Prof. Carlo Combi.

High School Diploma in Accounting, Business and Programming

Technical economic institute "Alberto Pitentino" of Mantova [2000/07/10]

City: Mantova | **Country:** Italy | **Website:** <https://www.pitentino.edu.it> | **Field(s) of study:** Business, administration and law | **Final grade:** 90/100

WORK EXPERIENCE

🏢 *University of Verona* – Verona, Italy

Technical-Scientific Area Officer

[2015/12/21 – Current]

Software Developer for the collection, analysis, and sharing of medical-pharmaceutical data, within [Pharmacoepidemiology and Pharmacovigilance Research Group](#) of the Department of Diagnostics and Public Health, University of Verona. In this role, I collaborated with the Regional Pharmacovigilance Center of Veneto, the Italian Medicines Agency, and the Italian National Institute of Health, strengthening my skills in project management, system administration, web development, and data engineering.

🏢 *MedBrains S.r.l.* – Italy

Sole administrator

[2023/03/16 – 2025/05/28]

Founder in 2018 and sole administrator from 2023 to 2025 of MedBrains, a company born as a University of Verona spin-off. In this role, I developed and deployed what follows:

- **MagiCoder Pro**, a software available in three modes (web console, API, and browser extension) that recognizes medical terms in free text (such as MedDRA terms in drug adverse reaction reports or ICD terms in clinical records);
- **Schoolroom**, a web application for the remote delivery of pharmacovigilance courses, that has been used in four African countries (Eswatini, Ethiopia, Nigeria, Tanzania) for [PAVIA](#), a project [funded by European Union](#), as it was designed to be usable even with limited or absent Internet connections;

- **Pharmacovigilance Kit**, a software that provides an API for managing drug adverse reaction reports in the international E2B R3 format, accepted by EudraVigilance, the surveillance system managed by the European Medicines Agency (EMA);
- **Pharmacovigilance Polaris**, a software for the construction, consultation, and review of a searchable archive of therapeutic indications and adverse reactions of medicinal products, as reported in the Summary of Product Characteristics (SmPCs) and coded as MedDRA Lowest Level Terms (LLTs).

SKILLS

Web applications

HTML / CSS / Bootstrap / JavaScript / W3C standards / Ruby / Rails / Directus / Hotwire

Data analysis

SQL / PostgreSQL / XML Schema / XQuery / XPath / XML / ETL / Pentaho Data Integration / Apache Hop / Microsoft Excel / Redis

Documentation

Markdown / AsciiDoc / AsciiDoctor / LaTeX / DocBook

Software development and deployment

Git / GitLab / Amazon Web Services / Heroku / RubyMine / Vim / Docker

Operating systems

MacOS / Linux / Bash programming

Project management

Agile / GDPR

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

[2015]
Automagically Encoding Adverse Drug Reactions in MedDRA Margherita Zorzi, Carlo Combi, Riccardo Lora, Marco Pagliarini, Ugo Moretti. *Automagically Encoding Adverse Drug Reactions in MedDRA*, IEEE International Conference on Healthcare Informatics 2015 (ICHI 2015), Dallas, Texas, USA, 21-24 October, 2015.

[2012]
Designing the reconciled schema for a pharmacovigilance data warehouse through a temporally-enhanced ER model Riccardo Lora, Alberto Sabaini, Carlo Combi, Ugo Moretti. *Designing the Reconciled Schema for a Pharmacovigilance Datawarehouse through a Temporally-Enhanced ER Model*, Proceedings of the 2012 International Workshop on Smart Health and Wellbeing (SHB 2012), Maui, Hawaii, USA, 29 October, 2012.

CERTIFICATES AND BADGES

[2022/12/03]

AWS Certified Solutions Architect - Associate

Passed the exam "[AWS Certified Solutions Architect - Associate \(SAA-C03\)](#)".

First certification on 2022-12-03 (<https://www.credly.com/badges/14ab2163-ac03-4deb-bada-877d31e084b9>).

Certification renewal on 2026-05-29 (<https://www.credly.com/badges/e2ee8a7a-370e-4128-9d93-7c6e60f0c241>).

MANAGEMENT AND LEADERSHIP SKILLS

Project management

I'm able to efficiently work in a group and leading it. I'm able to capture user needs and to draft functional specifications, technical requirements, UI mockups and a roadmap of software development. I care about software quality (e.g. to be reached through issue trackers and systems for automated builds and tests) and documentation.

Digitally signed document.

Porto Mantovano, 2026/05/29