

Macocian Adrian Radu

FULL STACK SOFTWARE ENGINEER

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Full Stack Software Engineer at Odoo with 4 years of experience. End-to-end ownership, payment integrations, IaC, self-hosting and OIDC. Computer technology, music and sports enthusiast.

Academic Profile

Technical University of Cluj-Napoca
B.Eng. Computer Science in English (2016 - 2020)

Katholieke Universiteit Leuven
M.Eng. Computer Science in English (option in Secure Software) (2020 - 2022)

Skills

Programming: Java, C++, C#, Haskell, C, Go, Python
Web Development: HTML, CSS, JS, Angular, React
DevOps: Azure, Docker, Gitea Actions, Caddy, Authentik, Grafana
Database: Sql Server, Sqlite, Cosmos, Postgres

Personal Projects

Java Interaction Separation Toolkit - Java

The Bachelor's thesis. A Java GUI framework, that works on base Java which separates the UI (which can be written in XML), and which provided contextual description of size/location. The paper was published in the [RoCHI 2020 conference proceedings \(page 65\)](#).

Rosetta to Haskell Code Generator - Haskell

Master thesis: ISDA Rosetta DSL to Haskell code generator. The project was developed to later be used in financial institutions that are working in Haskell and are looking to integrate the ISDA CDM into their structure. The entire compiler is written in Haskell.

Souvenir - Self-hosted AI chat in Go(WIP)

A self-hosted AI chat app with a terminal UI, built in Go. Agentic tool-calling loop with long-lived memory (with vectors in Postgres), and pluggable OpenAI-compatible LLM backend.

Walter - Home Server

A Dell OptiPlex 3050 personal home server. Uses ddclient for DDNS. Running Caddy for TLS and reverse proxy based on the subdomain. Services are running on Docker containers and monitored through VictoriaMetrics and Grafana. A self-hosted Gitea instance with Gitea actions creates and deploys containers on the server for personal projects

Experience

Odoo (September 2025 - Current) Software Engineer

- Currently working in the point of sale team which mostly develops using JS and the internal OWL framework, which is an internal version of React.
- Currently leading a complete refactor of the loyalty and promotions module for the point of sale.
- Implemented the app-to-app integration of the Viva Payment App with the Odoo app
- Integrated the Daraja (Safaricom M-Pesa) payment provider with Odoo.
- Outside the normal responsibilities, contributing to the development of the vim plugin of the Odoo language server

Euroclear (September 2022 - September 2025) Software Engineer

- Sole architect and engineer of an internal contract catalogue (API schemas, Event schemas, MQ message schemas). Designed and refined the data model. Used Entity Framework and migrations on the backend, and Angular on the frontend. Maintain the YML pipelines deploying to our private Azure via IaC. It is one of the first internal applications to use SSO authentication from Microsoft Entra deployed on Azure.
- Updated multiple internal tools, migrating them from .Net Framework 4.x to .NET 8
- Trained to support a legacy Java 6 system
- Was part of the forefront of the cloud adoption of the company by developing the first internal tools hosted entirely on Azure, using the .NET/Angular/Sql Server stack
- Coordinated the release of a Credit Rating System which involved multiple teams and technologies (both internal and external).

Delta Engineering (Summer 2020) Programmer

Developed a new HR application which should track and save changes on all the other available monitoring applications in the company. The application was developed in C# with the WPF framework.

Altran (Summer 2019)

Intern Embedded Programmer

Worked with an stm32 in embedded C on an autonomous tracking box made as an anti-theft device for bicycles. Created a GPS library for working with any NEO6-series GPS module