Federico Caccia

Nuclear Engineer, MSc · Founder & CEO

fede@ratherlabs.com
fedecaccia.com
linkedin.com/in/fedecaccia

Nuclear engineer trained at **Instituto Balseiro** who spent four years on reactor design and multiphysics simulation at **INVAP** and **CNEA** (RA-10 research reactor) before building technology companies. Co-founder and CEO of **Rather Labs** since 2020, an engineering studio grown to more than 130 engineers and 30 global partners, with business units in AI, software, blockchain and healthcare. Former CTO and VP of Engineering at **Membrane**, where the team grew from 5 to 50 and the platform carried more than US$2B in institutional volume. I combine first principles engineering with the operating experience of hiring, selling and shipping at scale.

130+	3M+	US$2B+	4 yrs
engineers in the company I co-founded	users of products I co-founded	institutional volume on infrastructure I led	nuclear reactor R&D at INVAP and CNEA

EXPERIENCE

Rather Labs, Inc.

Jan 2020 – Present

Co-founder & Chief Executive Officer · Buenos Aires, remote

- Built the company from founding to more than 130 engineers and 30 global partners.
- Business units in AI, software, blockchain and healthcare.
- Leads the engineering organization, product delivery and partner relationships for clients worldwide.

TranscribeGo

2023 – Present

Co-founder & Chief Executive Officer

Consumer AI product that turns recorded speech into text. More than 3M users, 10M audio files processed and 90 languages supported.

Radarial

2026 – Present

Co-founder & Chief Executive Officer

Media intelligence across press, social media, television, radio and YouTube.

Membrane

Jun 2019 – Sep 2023

OTC trading platform with exchange, lending, settlement and post settlement capabilities.

Chief Technology Officer · New York, remote — Feb 2023 – Sep 2023

VP of Engineering & Head of South American Operations · Chicago, remote — Jun 2019 – Oct 2022

- Grew and managed the engineering team from 5 to 50 people.
- Designed the cross blockchain architecture (BTC, ETH, BCH, LTC, XRP), wallets with Ledger hardware support and data processing that cut latency and transaction costs.
- Stack: Node.js, C++, SQL Server, MongoDB, web3.js, Terraform, AWS.

Hatom Labs

Apr 2022 – Dec 2025

Technical Advisor · lending and borrowing protocol on MultiversX

EDUCATION

MSc in Engineering
Instituto Balseiro, Bariloche · 2017
Thesis: Multiscale Coupling in Fluid Dynamics Calculations

Nuclear Engineering
Instituto Balseiro (CNEA and Universidad Nacional de Cuyo) · 2009 – 2014
Thesis at INVAP: Conceptual Design of a Fast Nuclear Reactor

NUCLEAR PROJECTS

Reactor Atlas
Creator · reactoratlas.com
Interactive atlas of the world nuclear fleet: 442 reactors in 34 countries, 1960 to 2030.

Criticality
Creator · criticality.fedecaccia.com
Nuclear power station simulator driven by reactor physics, solving the coupled plant 20 times per second.

NUCLEAR ENGINEERING

CNEA, National Atomic Energy Commission
Nov 2014 – Dec 2017

Nuclear Engineer · Bariloche, Argentina

Basic engineering for research reactors and development of calculation codes, focused on the RA-10 multipurpose reactor (30 MW thermal).

- Validated the calculation line and ran multiscale analysis of the RA-10 Second Shutdown System.
- Two phase flow CFD with volume of fluid (OpenFOAM) and level set with the finite element method (Par-GPFEP).
- Developed Newton, a master code for implicit coupling of calculation programs.
- Coupled neutronics codes (PUMA, Fermi) with thermal hydraulics codes (RELAP5, Par-GPFEP and in-house codes).
- Fortran, C and C++, parallel programming with OpenMP and Open MPI.

INVAP
Aug 2013 – Jul 2014

Undergraduate Fellow, Nuclear Engineering Department · Bariloche

Final degree project: conceptual development of a fast reactor, supervised by Dr. Eduardo Villarino.

SICTEC
2014 and 2018

CFD Consultant · Mendoza, Argentina

OpenFOAM models of wind loads on structures under construction and of oil and gas systems.

EARLIER SOFTWARE AND RESEARCH

CoinFabrik
Jan 2018 – Jun 2019

Blockchain Developer & Researcher · Buenos Aires

- Designed a permissioned Ethereum network with proof of authority for a banking project, plus web wallet and block explorer.
- Token economics for the decentralization of Taringa!, a Latin American social network with 500K daily active users, and for Mofiler.
- Quantitative analysis of crypto assets (cointegration, statistical arbitrage) and online news clustering with NLP.

AccelOne
Jun 2019 – Mar 2021

Tech Lead, Senior Low Level Developer

TRM Labs
Jan 2020 – May 2020

Blockchain Researcher · fraud detection in blockchain finance

Terrae
Oct 2018 – Feb 2019

Project Leader · massively multiplayer game on blockchain

PUBLICATIONS

Three-dimensional hydrodynamic modeling of the second shutdown system of an experimental nuclear reactor. Rechiman, Cantero, **Caccia** et al. *Nuclear Engineering and Design*, 2017.

Design of a flexible nuclear reactor simulator. Giuntoli, **Caccia**. Poster, 2017.

Validation of a multiscale model of the second shutdown system of an experimental nuclear reactor. Rechiman, Cantero, **Caccia**, Dari. *Mecánica Computacional* 34, 2016.

Acoplamiento multiescala en cálculos fluidodinámicos. **Caccia**, Dari. Conference paper, 2016.

SKILLS

Nuclear and energy

Reactor physics · Neutronics and thermal hydraulics coupling · CFD (OpenFOAM) · Multiphysics simulation · HPC (OpenMP, MPI) · Techno-economic modeling

Company building

Founding and scaling teams · Engineering leadership · Product delivery · Client and partner development · Remote international teams

Technology

C / C++ · Fortran · Node.js / TypeScript · Next.js · PostgreSQL · AWS · Terraform · AI products and agents · Blockchain architecture

WRITING

Field notes with interactive models on how a water cooled SMR works and on natural circulation in SMRs (2026): fedecaccia.com/blog

Nuclear energy data analysis on LinkedIn for more than 8,000 followers (French fleet recovery, research reactors, newcomer countries).

LANGUAGES

Spanish · native

English · professional

LINKS

fedecaccia.com
linkedin.com/in/fedecaccia
github.com/fedecaccia
ResearchGate profile