

Nicolas Goy

Curriculum Vitae, 2024-04-02

CONTACT
INFORMATION

Nicolas Goy
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PERSONAL
DETAILS

Swiss national. Married. Two children. Born in 1984.

EMPLOYMENT

2002–current	CEO, programmer and IT architect at Goyman SA.
2023–current	Technical director for PBG System SA.
2018–2024	Technical director for Diuriflux SA.
2011–2018	Technical director for Memoways SARL ¹ .
2009–2013	Ruby on Rails and Cappuccino programmer for Gatemedia SA ² .
1999–2002	Freelance in IT administration and deployment.

¹<http://memoways.com>

²<http://gatemedia.ch>

NOTABLE WORK	2023	Designed an End-to-End encrypted storage system.
	2021	Built a rule compiler for the Swiss Government to handle the COVID vaccine. ³
	1999–current	Active open source contributor and supporter. Around 50 000 contributions in 2024.
	2019	Electronic development and engineering for medical device.
	2016	Distributed Video storage platform using “Elixir” and “Erlang”.
	2016	Experimental work on AI and deep learning for ECG analysis and automatic diagnosis.
	2015	Programmer and Architect for diverse video navigation platforms using “React”.
	2014	Creation of one of the first CoreOS/Docker server cluster for Memoways video service.
	2009	Programmer and system architect for the “Walking the Edit project” ⁴ .
	2008	Pioneer in iPhone development and significant participation in low level iPhone programming.
	2008	Technical director of ECG interactive book (in partnership with Medtronic and MSD).
	2007	Test writer for Expert Rating in numerous technical areas.
	2004	Promoted Goyman SA to Sun, Cisco and Oracle partner.
	2003	Design, building and exploitation of a small private datacenter of 1000 rack unit capacity.
	2002	Main programmer of several large Web Object based web applications.
	1999–current	Implementation of numerous IT projects, from home user to midsized corporation.

FIELDS OF EXPERTISE

General knowledges:

- Programming in most modern languages, from architecture to implementation.
- IT systems architecture, planning to deployment and maintenance.
- Cloud computing and large scale infrastructure.
- User Interface design and implementation. Human-machine interaction and models.
- Computing and information theory, algorithm and abstraction theory.
- Electronic, PCB design and microcontroller programming.

Specialties:

- Rust, Zig and embedded programming.
- Elixir/Phoenix, Ruby/Rails and agile web applications.
- General networking, Aruba and Cisco.

³<https://github.com/soignezmoch/vac-engine>

⁴<http://walking-the-edit.net>

- Javascript, Typescript and web technologies.
- C, OpenGL and graphic programming.
- OpenBSD and Linux administration.
- Service platforms (Amazon S3/EC2, Google Cloud, Microsoft Azure).

LANGUAGE PROFICIENCIES	French	Mother Tongue
	English	Fluent
	Japanese	Basic knowledge
	German	Basic knowledge

INTERESTS Video Games, Piano, Martial Arts, Aviation (Private pilot licence)