Nicolas Goy
Curriculum Vitae, 6.2020

CONTACT INFORMATION	Nicolas Goy
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PERSONAL DETAILS Swiss national. Married. Two children. Born in 1984.

EMPLOYMENT

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

NOTABLE WORK

1999–current	Active open source contributor and supporter. Reaching 50 000 contributions in 2020.
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.
2012	Port of the Objective-J language from the "Cappuccino"[3] project to NodeJS and general project support.
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.com 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.

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[1] http://memoways.com
[2] http://gatemedia.ch
[3] http://www.cappuccino-project.org
[4] http://walking-the-edit.net

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 and embedded programming.
- Elm, Javascript, Typescript and web technologies.
- Elixir/Phoenix, Ruby/Rails and agile web applications.
- C, OpenGL and graphic programming.
- Android and iOS programming.
- FreeBSD and Linux administration and virtualization (BHyVe, Xen, Docker).
- Service platforms (Heroku, Amazon S3/EC2, Rackspace).
- General networking.

LANGUAGE PROFICIENCIES

French	Mother Tongue
English	Fluent
Japanese	Basic knowledge
German	Basic knowledge

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