



# Nicolas de Barquin

INTJ, type 9 - independent thinkers who thrive on exploring complex ideas and solving problems.

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FR (Native) + EN (C1)

## Contact Info

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## Relevant Skills & unfair advantages

- . Systemic thinking from active participation in several networks, both national and international
- . Intercultural communication skills from traveling and visiting +50 fablabs
- . Extended professional experience in CAD & CAM and Fablabs
- . Technology watch driven by an unlimited curiosity.
- . Dedicated to becoming the best version of myself, every day.

## Qualities

- . Self-directed
- . System + Process mindset
- . Great collaborator
- . Don't fear to fail
- . Embrace change
- . Calm and easy-going
- . Antifragile and adaptable
- . Self-awareness

## Vulnerabilities

- . Not a good CEO, *i'm too in the futur*
- . Tend to "DIY" too much, *because I can*
- . My creativity can make me loose focus
- . Work best with a team of specialists

**TLTR:** As the founder and CEO of a fablab for over 10 years, I have gained extensive experience in leadership, strategic thinking, creativity, collaboration, communication, and adaptability. My expertise and connections within the maker community enable me to explore new processes and products through innovation intelligence, ideation, and experimentation. I am committed to creating and implementing transversal processes that support the growth and development of the people in the organization and facilitate teamwork and collaboration.

## Work experience

Founder and CEO 2011 - 2021

Fablab Openfab | Ixelles, Brussels, Belgium

Openfab is a **fablab focused on empowering individuals and communities through hands-on learning and collaboration**. I played a crucial role in establishing the organization and guiding its members towards their goals. My main focus as the founder was to provide the necessary tools, support, and knowledge to help our members move their projects forward and collaborate with one another.

I discovered that the most powerful tool cannot be bought. **It's all about a supportive and creative environment where members could learn, grow, and achieve their dreams.**

Lead CAD developer 2008 - 2013

EATOPS | Katwijk, South Holland, Netherlands

As lead CAD developer at EATOPS, an engineering firm specializing in control centers for Earth and Space applications, I was responsible for creating 3D models and animations using 3ds Max for real-time rendering in the operation control software.

In addition to CAD, I also developed my skills in CAM design using Inventor to produce designs for the manufacturing of specialized hardware to embed the company's software solutions. **I played a critical role in the development of control systems and was responsible for ensuring that our hardware and software solutions were integrated seamlessly and reliably.**

CG FX designer 2005 - 2007

Alterface | Louvain-La-Neuve, Belgium

This company creates quality media-based interactive attractions.

In this role, I was responsible for creating 3D models, animations, and particle effects for immersive and interactive experiences using tools such as 3DS Max and Realflow.

One particularly challenging project I worked on was a tsunami attraction at Vulcania, a French amusement park and museum with a volcano theme. **This required me to use my technical skills and problem-solving abilities to create a realistic and highly immersive experience for our audience.**

## Education

Master Autodidact Past, present and futur

I am a highly skilled self-taught learner with over 20 years of experience in self-directed education. I believe in the value of continuous learning and the importance of knowing how to find answers to our questions. I am proactive in seeking out new knowledge and skills and thrive on learning new things. **I am confident in my ability to adapt and learn quickly, and am committed to lifelong learning and personal and professional development.**

## Relevant Interests

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*The interests listed below increase my ability to think and create outside of the box by creating meaningful connections between different fields of expertise. These interests align with my dedication to becoming the best version of myself, every day.*

### Wellness

- . Meditation
- . Yoga Kundalini
- . Shiatsu
- . Aikido

### Science

- . Serious Gaming
- . Behavior design
- . Power of habits
- . Biomimicry

### Tech

- . Artificial intelligence
- . IT & computer science
- . Blockchain
- . Automation

### Other personal note

*Through my spiritual exploration,  
I received the name of*

**Raj Nambir Singh,**

*the Lion of God who walks with grace and courage  
throughout his life.*

*"It is said that my oneness with the vibration and  
sacred knowledge of the Divine brings integrity,  
harmony, meditative focus, courage and awareness to  
the minds and hearts of all of those around me."*

Amazing :)

## Education - suite

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### Permaculture Design Certification (BE)

2010

During this certification, I learned how to use contemporary tools and technology to create a more sustainable and equitable world for all species. **Permaculture is a sustainable design approach** that can be applied to all human activities, not just gardening. It involves using a designed approach **to place elements in space, time, and form in order to achieve the highest output with the lowest input.**

### Graduate in multimedia - IAD (BE)

2001 - 2004

I completed this 3 years in multimedia production which included training in digital production techniques such as 2D animation, 3D animation, special effects, interactive design, and web development. I specialized in motion capture for 3D animation.

Some exploration in agronomic and landscape architecture.

... - 2001

I always loved nature and sciences.

## Other experiences

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### Making - most recent

#### Automation of a interactive water cycle model

Concept & control, arduino code and pcb - Musée des égouts de Bruxelles.

#### Bio-dynamic meditation bench

Innovative furniture to help levelup kundalini energy

#### Passport maker (WIP)

A gamified framework for fablabs to help level up members, and to facilitate the mobility of makers between labs.

**And a lot of various CAD/CAM design** for 3D printing, CNC, laser and vinyl cutting

### Traveling

**Erasmus Youth Exchange** - Fablab Buinho (PT)

**Vulca Tour** - 5 weeks on the road to meet 37 fablabs, biolabs, makerspaces and hackerspaces (BE, DE, PL, CZ, LU)

**Vulca seminars** - Moulin (FR), Toulouse (FR), Poznan (PL), Fundao (PT)

**Fab14 & Makerfares** - Vienna (AT), Roma (IT), Toulouse (FR), Lille (FR), Brussels (BE)

**Fabelgrade & Balkan fablabs Tour** - Belgrade (RS), Zagreb (HR), Ljubljana (SI)

### Public projects

**FabEcole** (Ixelles 2020)

Focused on collaboration between 1 fablab and 1 school, kids and teachers

**Fablab Mobile Brussels** (2018-19) - We went to schools with fablab on cargo bikes.

6 partners to develop awareness in science & technology through fablabs workshops.

**CHIC** (Creative Europe 2016-17) - Cultural Hybridization In Common.

An European project of networking and exchange on creative processes around the "stamp" object and the notion of "open source".

**Café Europa** (Mons 2015) - which combines conviviality, digital technology, sustainable development and European culture.

### Entrepreneurship Programs in Brussels

**Coopcity Blossom** - stratégie de développement

**Smartbe** - coopérative d'activité professionnelle des travailleurs autonomes

**Job Yourself** - aide à la création d'entreprise

**SAWB** - bourse d'étude de faisabilité