



# ANTHONY CAUMOND

Supply Chain &  
IT Freelancer

## EDUCATION

2001-2006

### OPTIMIZATION RESEARCH PHD - AUVERGNE UNIVERSITY

The jobshop problem with  
constraints: modeling and  
optimization.

1998 - 2001

### COMPUTER SCIENCE DEGREE - ISIMA

Simulation, modeling, and  
optimization of industrial systems

TOGAF and BASICS certified

## SKILLS

- Supply Chain
- Optimization Research
- Modelling
- Developper
- Architect
- Project Management

## LANGUAGES

- French (native)
- English (professional)

## CONTACT

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## PROFILE INFO

I am passionate about finding simple solutions to complex problems.

As I'm pragmatic, it is the resolution of real and practical problems that drives me. To this end, I have developed my knowledge of the industry and its supply chain. After varied experiences, I feel ready to take on new challenges, such as entrepreneurship.

## EXPERIENCE

### FONDATEUR D'HEPHAISTOX

2022 - 2024

With mati, I co-founded Hephaistox to create an offering that supports industry in their decision making (machine purchasing, layout change, setup of a workshop, yearly raw materials contract, ...)

### STORRITO DEVELOPPER

2021 - 2022

After several years without IT development, I became a Clojure developer to prepare the creation of my future offer:

- Build a Cloud solution for thousands of users with a heavy load and high availability.

### PLM PRODUCT OWNER- MICHELIN

2019 - 2021

Following the upstream program, I developed a precise conviction on the PLM program for Michelin's 60 tire manufacturing plants, and I strongly participated in materializing this vision.

- Project manager
- Design of the new process and its tooling

# EXPERIENCE

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## ENTREPRISE ARCHITECT- MICHELIN

2016 - 2019

Enterprise Architecture (EA) is the position I aimed for when I started my career at Michelin because it gives an overview of the supply chain software in the Michelin's group, and leads and influences their structuring decisions.:

- Executive level studies
- Lead the purchase of software packages (automotive ERP, Integrated Planning, etc.)
- Scoping study for the downstream OPE transformation program: Subcontracting, Post-manufacturing, etc.
- Scoping the sales and operations planning tool (S&OP)
- Artificial Intelligence for the supply chain: prefer to create an internal team rather than buy software
- Build and maintain your network among supply chain software vendors

## BUSINESS ARCHITECT UPSTREAM OPE - MICHELIN

2013 - 2016

This position was very demanding, within a program with difficulties.

- Business Architecture, construction of the planning data model
- Process leader for production planning
- BASICS certification
- Solution Architecture

## SOLUTION ARCHITECT PRODUCTION PLANNING - MICHELIN

2008 - 2013

Following the automatic planning tool (SMPP), it was natural to be the internal reference consultant on production planning:

- Professional training in production planning
- Using SMPP on a start-up factory
- Framing the start-up of the planning tool on the 60 semi-finished factories.

## SUPPLY CHAIN CONSULTANT - UNILOG

2006 - 2008

I was an expert in distribution planning, deployment on 90% of Michelin production

In parallel with my positions, I developed two optimization tools used in production for more than ten years:

- Distribution network optimization tool (Busaker & Gowen)
- Optimization tool to decide Make or buy.

## E-COMMERCE WEBSITE - CAUMOND JEWELRY

2005-2007

To improve the turnover of the family jewelry store, I developed one of the first websites for online jewelry sales (php5, mysql), (visit web archive):

- Robust order to cash process to resist scammers,
- Php5 mysql paradox db
- Design, and development of the site and software for managing references and their information

## EXPERIENCE

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### TEACHER AND PHD IN OPERATIONAL RESEARCH

2001-2006

After the industrial and operational research experiences during my engineering school, I decided to delve deeper into these subjects:

- Demonstrator and proof of concepts:
  - PSA – Optimization of assembly lines. Optimization of multipurpose ironwork workshops.
  - Eramet – Hot forging scheduling.
  - Michelin – Test track planning.
- Still in production:
  - Michelin – Automatic factory simulation.
- Optimization framework
- Phd thesis & Articles:
  - C.O.R.: Time lag
  - E.J.O.R.: Transportation
- Iterative optimization methods, discrete event modeling and simulation, linear programming, graph optimization.



### PERSONAL ACTIVITIES

1986-1998

I started very early in computer development in GFA Basic, Assembler 68000 and Z80. I created demos and games, but I also used this knowledge to build professional tools for the family jewelry store: Inventory management, customer database and surveillance video recordings.



## ACHIEVMENTS:

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#### • 2008- 2009

Publish two scientific articles in high impact factor journals

#### • 2013 – 2015

Having a major impact on two major Michelin transformation programs

#### • 2023-2024

Building an offer:  
+ supply chain  
+ IT  
+ operational research