

# 0xJacques Dafflon

📧 0xjac.com/hire-me

🌐 linkedin.com/in/0xjac

✉ 0xjac.com/contact

🌐 0xjac.com

🌐 0xjac.com/portfolio

🐙 github.com/0xjac

🏠 gitlab.com/0xjac

🐦 twitter.com/0xjac

Blockchain (and Bullshit) Expert™, software engineer, wrangling pragmatic maintainability with Swiss-precision engineering.

🖥 Go >=5 years | Solidity >= 6 years | PostgreSQL >= 4 years | Python >= 7 years | JavaScript >= 7 years  
🗣 English *Fluent* | French *Native*

## 🔧 Notable Projects

### Swapbox 🔗

2019 – present

- › Serverless DeFi cash machine without price risk, powered by **free software** and **open hardware**.
- › Development of the **smart contracts**, **GUI**, and **blockchain** interaction. [Python, ØMQ, Solidity, TypeScript]

### ERC777 Token Standard 🔗

Nov 2017 – Sep 2019

- › Co-author of the standards, main developer of the reference implementation. [Solidity, JavaScript]

### ASQ 🔗

Nov 2012 – Jun 2014

- › **Open-source** synchronous slideshow mixed with a classroom clicker. [NodeJs, Websockets, Sass]
- › Used by the supervising professor as one of its main **teaching tool** for other classes.
- › Received a university grant to further the development via an internship over the summer holidays.

## 📁 Experience

### Technical Advisor | Swapbox 🔗

Remote | Aug 2023 – present

- › Review the **architecture**, **smart contracts**, and **CI/CD**. Provide insights and assistance to contributors.

### Senior Blockchain & Software Developer | TrueLevel SA 🔗

Remote | Jun 2019 – July 2023

- › Project & Team **lead** (3 to 5 people) for various clients across multiple time zones (EMEA, US).
- › Upgraded a service-for worldwide, semi-live logistics and tracking of ships-with over **1000x speedup** and increased employee productivity by a factor of 2-3. [Go, PostgreSQL, Graphana, T-AIS, S-AIS]
- › Added type annotation to a whole **Python** code base, cleaning up 60% of it, fixing a dozen bugs, and gaining around 10% in performance in the process.
- › Overhaul of the infra, migration of **domains**, **DNS**, **email** and data, cutting admin tasks in about half.

### Quality Assurance | Iden3 🔗

Remote | Feb 2019 – Apr 2019

- › Analysis of the entire ecosystem for **quality improvement**. [Go]
- › Creation of a documentation platform. [HTML, Sass, Hugo, Go]

### Mid-Senior Full stack Developer | Bity SA 🔗

Neuchâtel, NE (CH) | Sep 2017 – Jan 2019

- › Creation of a service and **libraries** to **automate** banking interaction, reducing manual tasks by ~90%. [Python, Asyncio, PostgreSQL]
- › Internal **audits** of more than 10 smart contracts for compliance. [Solidity]
- › **Documentation** of internal processes. [packaging, devops, CI, code conventions, ...]

### Technical Intern | CERN 🔗

Geneva, GE (CH) | Sep 2014 – Aug 2015

- › **Full stack** developer on **Indico**, an open-source event management system developed and used at CERN [Python, PostgreSQL, Javascript, HTML, CSS]

### PADI Divemaster – Assistant Instructor | DiveWise 🔗

San Ġiljan, (MT) | 2011 – 2012

- › **Teaching** dive skills; **organizing**, **supervising** and conducting dives.

## 🎓 Education

### M.Sc. in Informatics

2015 – 2018

Università della Svizzera italiana

GPA: 9.6/10 (Summa Cum Laude)

- › Thesis: ERC777, A New Advanced Token Standard For The Ethereum Blockchain
- › Received the Swissengineering Award for Best Master Thesis, USI Faculty of Informatics.

### B.Sc. in Informatics

2011 – 2014

Università della Svizzera italiana

GPA: 9.1/10 (Summa Cum Laude)

### Microengineering

2010 – 2011

Swiss Institute of Technology (EPFL)

Pursued Bachelor-level courses