

0xJacques Dafflon

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

🗣 English *Fluent* | French *Native*

🗄 Go (Golang) >= 7 years | Solidity >= 6 years | PostgreSQL >= 4 years | JavaScript >= 2 years | Python >= 9 years

🔧 Git | Docker | CI/CD (*GitLab*) | Prometheus | Grafana | OpenTelemetry (*tracing*) | ØMQ | Kafka | Terraform

🗄 PostgreSQL | Redis | MongoDB | LevelDB

📦 gin | echo | franz-go/kgo | OTel Go SDK | zerolog | cobra | koanf | sqlc

Results-oriented Senior Go Engineer with a 7+ year background in architecting and implementing resilient Go-based solutions. Experienced in guiding small development teams through complex projects in remote, asynchronous settings, emphasizing secure coding practices and robust design.

My Go expertise spans high-performance backend services, data processing pipelines, and the creation of maintainable, well-documented code, always with a keen eye on software architecture and security implications.

🔧 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]
- > Development of a low-level **RS-232 driver** in **Go** for hardware interaction. [Go, RS-232, Serial]

ERC777 Token Standard 🔗

Nov 2017 – Sep 2019

- > Co-author of the standards. [Markdown, EIP]
- > Main developer of the reference implementation. [Solidity, JavaScript]

ASQ 🔗

Nov 2012 – Jun 2014

- > **Open-source** synchronous slideshow mixed with a classroom clicker. [NodeJS, Websockets, Redis]
- > 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.
- > Additional funding and resources were allocated to perennate the project after my studies.

📁 Experience

Data Engineer | TokenFlow 🔗

Remote | Sep 2024 – present

- > Led the development of a Go-based **microservice** to provide **Twitter** and **Discord** interaction over **REST APIs** and **websockets** with **AI** agents. [REST APIs, Websocket, bot, AI Agent, MongoDB, LevelDB]
- > Collaborated with the lead DevOps engineer to simplify repositories & **CI/CD** setup and streamline **Git** workflows, reducing operational mistakes and cutting repetitive tasks by at least a third. [DevOps, Git, Github, Terraform, Kubernetes]
- > Architected and implemented a foundational **Go** library for **microservices** providing **structured logging**, **metrics**, **Tracing**, **exit codes** handling, dynamic **configuration** parsing, standardizing deployment patterns, enhancing replicability, and significantly reducing boilerplate across all Go projects. [Go, OTel, Prometheus, Terraform, Kubernetes, ENV]
- > Ported a **Python microservice** to **Go** to process blocks via **Kafka** improving stability, correctness, data consistency, and performances. [OTel, Prometheus, Snowflake, Redis]

Technical Advisor | Swapbox

Remote | Aug 2023 – present

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

Software Engineer (project-based) | Petro-Logistics SA

Remote | March 2024 – April 2024



- › Refactored **SQL** queries and **materialized views** and improved correlation among datasets, providing detailed and more complete data to analysts. [\[Go, PostgreSQL\]](#)

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 **1000× 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 portal. [\[HTML, Sass, Hugo, Go\]](#)

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 Assistant Instructor (part-time) | 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