

# Michaël Giovanni Jules

A Gopher who creates little minions; the industry calls them microservices.

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## Experiences

**Livestorm** ( [livestorm.co](https://livestorm.co) )

Mar 2023 > present

Senior Software Engineer

Go

- Work in progress 🚧 ...

**Atellio** ( [atellio.com](https://atellio.com) )

Aug 2022 > Feb 2023

Senior Backend Engineer

Go

Rest

gRPC

Swagger

PostgreSQL

InfluxDB

Meilisearch

Traefik

Docker Swarm

Datadog

CircleCI

S3

- Worked on and optimised the ``activityFeed``, ``notifications``, ``templates`` and ``searchIndexer`` engines to perform more reliably under heavy load.
- Developed the ``metrics`` engine using [Mixpanel](#) for product analytics.
- Devised and implemented a testing strategy for the various engines (i.e ``activityFeed``, ``notifications``, ``templates``, ``searchIndexer`` and ``metrics``) to ensure their resiliency.
- Worked on and optimised the internal event system to scale from less than a hundred to thousands of clients on a single instance of the platform.
- Devised and implemented a service-wide type-safe validation framework to ensure data validity and consistency.

**Ringier SA** ( [ringier.com/about-us/south-africa](https://ringier.com/about-us/south-africa) )

Feb 2021 > Jul 2022

Senior Full-Stack Developer

Go

Rest

Swagger

VueJS

TailwindCSS

DynamoDB

Timestream

Docker

Redis

RabbitMQ

Datadog

Blockchain

Temporal

S3

AWS

Pulumi

- Worked on the core Go microservices powering the [Ringier Event Bus](#) serving millions of events monthly across more than a dozen of companies and teams.
- Developed an Infrastructure as Code Go microservice codenamed ``Atlas`` to fully automate provisioning of the Ringier Event Bus on AWS with automated integration testing.  
Infrastructure cost reduced by 35% and new environment provisioning time reduced by 30%.
- Developed a Go CLI application codenamed ``Timestream Travel`` as an AWS Timestream backup solution for [webvitalize.io](https://webvitalize.io).
- Developed and showcased a payment Go microservice using Web3 technologies during a play-week.
- Developed and showcased a MVP Event Bus using Temporal at its core during a play-week.
- Organised company-wide Go workshops to onboard and train new Gophers.

**Bocasay** ( [bocasay.com/mauritius-agile-service-center](https://bocasay.com/mauritius-agile-service-center) )

Apr 2020 > Feb 2021

Senior Web Developer

PHP

Symfony

Rest

VueJS

TailwindCSS

Bootstrap

MySQL

Redis

Docker

- Implemented an advanced user experience for launching SMS campaigns.
- Improved an existing payment and subscription system using Stripe.

## La Sentinelle Digital Ltd ( [lasentinelle.mu](https://lasentinelle.mu) )

Jun 2018 > Apr 2020

Senior Software Engineer

Go PHP gRPC GraphQL Swagger VueJS SvelteJS TailwindCSS PostgreSQL Redis Docker

- Developed several online services including [culture.lexpress.mu](https://culture.lexpress.mu), [businessmag.mu](https://businessmag.mu), [lasentinelle.mu](https://lasentinelle.mu), to name a few.
- Developed a Go CLI application codenamed `Gocipe` to generate the Content Management Systems powering the aforementioned online services.
- Developed a custom Single Sign-On solution in Go codenamed `Passport` for a seamless user experience across the aforementioned online services.

## Expat-Blog Ltd ( [expat.com](https://expat.com) )

Apr 2013 > Feb 2014

PHP Developer

PHP jQuery Bootstrap MySQL

- Developed a new major version of [expat-blog.com](https://expat-blog.com); now [expat.com](https://expat.com).  
The rehauded user interface and experience contributed to the platform crossing the 1.5M total registered users.

## Noveo IT Ltd ( [packshot-creator.com](https://packshot-creator.com) )

Jul 2011 > Dec 2011

PHP Developer

PHP Drupal jQuery MySQL

- Developed a new major version of [packshot-creator.com](https://packshot-creator.com) in 2 months with the primary objective to provide an augmented experience of the Packshot Creator product line.

# Latest Personal Projects

## Harvit ( [github.com/mgjules/harvit](https://github.com/mgjules/harvit) )

Harvit harvests data from different sources (e.g websites, APIs), converts and transforms it.

Go Docker

## Spoty ( [github.com/mgjules/spoty](https://github.com/mgjules/spoty) )

A microservice which provides REST API endpoints to query the current playing track on Spotify.

Go Rest Swagger Docker Kubernetes RabbitMQ

## Timestream Travel ( [github.com/mgjules/timestream-travel](https://github.com/mgjules/timestream-travel) )

A CLI application to backup time-series data from Amazon Timestream to S3.

Go Timestream S3

## Deckr ( [github.com/mgjules/deckr](https://github.com/mgjules/deckr) )

A REST/gRPC microservice to simulate a deck of cards.

Go Rest gRPC Swagger Docker

## MySpace ( [github.com/mgjules/mgjules-go](https://github.com/mgjules/mgjules-go) )

My personal space on the web ( /👉👈 ) / (a.k.a [mgjules.dev](https://mgjules.dev)). Hosted using my [extremely minimal homelab](https://extremelyminimalhomelab.com).

Go Rest TailwindCSS Directus EdgeDB Docker Traefik

[View more \( github.com/mgjules \)](https://github.com/mgjules)

# Latest Contributions

## Developers Conference ( [sessionize.com/developers-conference-2022---mauritius](https://sessionize.com/developers-conference-2022---mauritius) )

Nov 2022

Speaker

Directus CMS

## Front-End Coders Meetup ( [frontend.mu/meetup/39](https://frontend.mu/meetup/39) )

Sep 2022

Speaker

UnoCSS

## Front-End Coders Meetup ( [frontend.mu/meetup/38](https://frontend.mu/meetup/38) )

Aug 2022

Speaker

Astro: fast websites next-gen island architecture

## Front-End Coders Meetup ( [frontend.mu/meetup/18](https://frontend.mu/meetup/18) )

Apr 2022

Speaker

Reactivity Everywhere.js

## Gophers MU Meetup ( [gophers.mu](https://gophers.mu) )

Feb 2021

Speaker

WTF is Go?

[View more \( \[mgjules.dev/cv/contributions\]\(https://mgjules.dev/cv/contributions\) \).](https://mgjules.dev/cv/contributions)

## Awards

### Krakathon

Oct 2019

 Winner

Competed against 215 contestants as Team Kalchul and won with a lead of 4000+ points.

### Krakathon

Oct 2018

 Runner-up

Competed against 114 contestants as Team Wachawi and placed second.

## Interests



Gaming



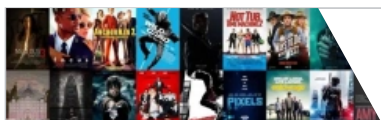
Space Exploration



Skateboarding



Robotics



Movie & Series



Anime & Manga

## Languages



English

Full professional proficiency



French

Full professional proficiency