

Michaël Giovanni Jules

Experienced Senior Software Engineer with 10+ years in Backend development and 5+ years specializing in Go. Proven expertise in architecting high-performance software solutions and optimizing system efficiency. Skilled in leading projects, collaborating with cross-functional teams, and driving innovation. Committed to continuous learning and staying updated with industry trends.

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Experiences

Livestorm (livestorm.co)

Mar 2023 > present

Senior Software Engineer

Go Ruby Bazel Rest gRPC Kafka Kubernetes Docker Datadog AWS PostgreSQL

- Migrating Ruby on Rails services to Go so as to improve the performance, reliability, development velocity and maintainability of the platform.
- Migrating internal REST endpoints to gRPC so as to improve the performance and reliability of intraservice communication.

Atellio (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)

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](#).
- 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)

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](#))

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](#), [businessmag.mu](#), [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](#))

Apr 2013 > Feb 2014

PHP Developer

PHP jQuery Bootstrap MySQL

- Developed a new major version of [expat-blog.com](#); now [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](#))

Jul 2011 > Dec 2011

PHP Developer

PHP Drupal jQuery MySQL

- Developed a new major version of [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](#))

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

Go Docker

Spoty ([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](#))

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

Go Timestream S3

Deckr ([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](#))

My personal space on the web (🍷🍷🍷) (a.k.a [mgjules.dev](#)). Hosted using my [extremely minimal homelab](#).

Go Rest TailwindCSS Directus EdgeDB Docker Traefik

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


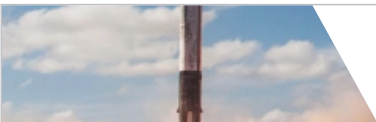




Latest Contributions

Front-End Coders Meetup (frontend.mu/meetup/44) Speaker Stand out from the crowd - Tips to get hired	May 2023
Front-End Coders Meetup (frontend.mu/meetup/43) Speaker Stand out from the crowd - Tips to improve your C.V	Apr 2023
Developers Conference (sessionize.com/developers-conference-2022---mauritius) Speaker Directus CMS	Nov 2022
Front-End Coders Meetup (frontend.mu/meetup/39) Speaker UnoCSS	Sep 2022
Front-End Coders Meetup (frontend.mu/meetup/38) Speaker Astro: fast websites next-gen island architecture	Aug 2022
View more (mgjules.dev/cv/contributions).	

Awards

Krakathon  Winner Competed against 215 contestants as Team Kalchul and won with a lead of 4000+ points.	Oct 2019	Krakathon  Runner-up Competed against 114 contestants as Team Wachawi and placed second.	Oct 2018
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Interests

 Gaming	 Space Exploration
 Skateboarding	 Robotics
 Movie & Series	 Anime & Manga

Languages

 English Full professional proficiency	 French Full professional proficiency
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