


# Lucas Nouguier

Software Engineer

## Contact

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 Montpellier, France

 CodiGame profile



## Languages

French (native), English (advanced)



## Education

### Software engineering degree

Polytech Montpellier . . . . . 2021 — 2024  
Equivalent to a Master's degree



## Main hard skills



Functional & Object-oriented programming



Scala, Typescript, Java



SQL



Git + GitHub, Docker



## Soft skills

Autonomous

Ownership

Teamwork oriented

Proactive

Deep dive



## Certifications

★ TOEIC: 950 / 990

★ Driver's license

★ First aid in teams



## Other interests

★ Linux

★ Meetups & Conferences

★ Canne de Combat

## About me

Enthusiastic baby software engineer, I enjoy learning new things and tend to go 'in depth' rather than 'in breadth'. I love going to meetups and conferences

Scala and functional programming are my current passions even though I recently discovered with Scala.IO's website that CSS can be fun

ArchLinux user, I enjoy using the command line for a better understanding of the tools I'm using and spending hours tweaking my system according to my needs

## Experiences

### Software Engineer

Mar. 2024 — today

Teads France

*Scala, TypeScript, gRPC, Git, GitHub, Appium, Docker, AWS, Terraform, Grafana, Elastic Kibana, Jenkins*

➤ Reworked the way videos were transcoded ( 400 transcoding / week), by replacing a third-party service with an AWS service (MediaConvert) to enable adaptive streaming and reduce network costs

- Setup a whole CI pipeline to test the transcoding process with an automated perceived quality test from Netflix's VMAF
- Setup the infrastructure (with Terraform) for the event-driven architecture and the monitoring (Grafana, CloudWatch): event rules, queues, lambdas, alarms. . .
- Double run migration to ensure the new service was working correctly

➤ Cleaned up and refactored a TypeScript project, with a data-driven approach to avoid regressions (using A/B testing) and library updates.

### Privacy-preserving data storage

Dec. 2023 — Feb. 2024

Conecs.io

*Encryption, Rust, Docker, Scaleway*

End of studies project

R&D on advanced encryption methods

### Software Engineer Intern (link)

Apr. 2023 — Aug. 2023

Scala Center, EPFL

*Scala, Git, JVM, Scala-Java Interoperability, Reflection*

➤ Improved the Scala debugger in VS Code with a faster and more flexible expression evaluator. Helped with hot code reloading implementation

➤ Compiler-related problems: type checking, types & overloads resolution

## Associative



### Organizer

2022 — today  
Sunny Tech

- ★ <https://sunny-tech.io>
- ★ Call For Papers reviewer (450 talks)
- ★ Community Management ([LinkedIn](#), [Twitter](#))
- ★ 2023 — 2024: Secretary

### Organizer

2023 — today  
ScalaIO

### Volunteer

Sept. 2023  
Scala Days Madrid

- ★ <https://scala.io>
- ★ <https://scaladays.org/madrid-2023>
- ★ Call For Papers reviewer
- ★ Track hosting (speaker presentation, time + Q&A management)
- ★ Mentoring at [Scala Bridge](#) (co-located event)

## Others



### Website maintainer

Dec. 2023 — today  
ScalaIO

*Scala, Scala.js, Laminar, Sass, Github Actions, Clever Cloud*

Continued the work of the previous maintainer to rework the website with [Scala.js](#) and [Laminar](#) to build a reactive SPA (Single-Page Application) with Scala.

- Github Actions
- Clever Cloud deployment
- Web apps performance metrics

Github repo: <https://github.com/ScalaIO/scala.io>

Website url: <https://scala.io>

### Courses

Nov. 2023 — today  
Polytech Montpellier

*Functional Programming, Scala, Type Classes, Parsers*

Introduction courses to functional programming (with Scala) for master students

- Core concepts of FP
- Error handling in FP
- A few exercises along the way
- [Introduction to FP slides](#)
- [Parser combinators slides](#)

