

# Lucas Nouguier

Software Engineer

## Contact



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Montpellier, France



CodinGame profile



## Languages

French (native), English (advanced)



## Education

### Software engineering degree

Polytech Montpellier . . . . . 2021 — 2024



## Soft skills

Autonomous

Energetic

Teamwork oriented

Proactive

Curious



## Personality

Scripting —●— Compiled

Technical —●— Functional

Front-end —●— Back-end

Self-reliant —●— Teamwork



## Certifications

➤ TOEIC: 950 / 990

➤ Driver's license

➤ First aid in teams



## Interests

Martial arts

Hiking

Cycling

Horse riding

## About me



Enthusiastic baby software engineer, I enjoy learning new things and tend to go 'in depth' rather than 'in breadth'. I began involving myself in conferences since 2022 and joined the Scala open-source community in 2023.

Scala and functional programming are my current passions

Following my experience at the Scala Center, I kept on contributing to the Scala debugger for VS Code, and a few other projects

ArchLinux user, I enjoy using the command line for a better understanding (git included even though I sometimes need to hard-reset to clean up. . .)

## Main Skills



**Paradigms** Functional, Object-oriented

**Languages** Scala, Typescript, Java

**Frameworks & libraries** Nestjs, React

**Databases** SQL (Postgres)

**Tools & Platforms** Git, GitHub, Docker



## Experiences



### 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 evaluation mode. Helped with hot code reloading implementation
- Compiler-related problems: type checking, types & overloads resolution. . .
- Made a video about how to write concurrent code in Scala with Future
- Initiation to the Scala 3 compiler with the compiler academy

### Assistant Software Engineer

Jun. 2022 — Aug. 2022

Teads France

Scala, Cats-Effect, gRPC, MySQL, React (TS), Git, Cypress

- Full-stack development of the new version of their demo application
- Handled each feature from the database to the UI (code, test, deploy)



## Open source



**Scala Debugger Adapter** ..... 2023—. **Scala Center & personal time**  
Implementation of the Scala debugger for VS Code & follow up of my internship at the Scala Center.

**Scala 3 (Dotty)** ..... 2023—. **Scala Center & personal time**  
Onboarded on the compiler with the compiler academy to work on small issues.

**Scala Collections** ..... 2023—. **Personal time**  
Joined the scala-collections team to review pull-requests on Scala's collections

## MOOCs



### Advanced Scala

2023  
RockTheJVM

- ★ Monads
- ★ Variance
- ★ Type Classes
- ★ Given & Using (Implicits)
- ★ Concurrency
- ★ Pure functions

## Associative



**Organizer** ..... 2022—. **Sunny Tech**

**Volunteer** ..... Sept. 2023  
**Scala Days Madrid**

- ★ <https://sunny-tech.io>
- ★ Community Management ([LinkedIn](#), [Twitter](#))
- ★ Call For Papers reviewer (450 talks)
- ★ 2023—. Secretary
- ★ <https://scaladays.org/madrid-2023>
- ★ Track hosting (speaker presentation, time + Q&A management)
- ★ Mentoring at [Scala Bridge](#) (co-located event)

**Organizer** ..... 2023—. **ScalaIO**

- ★ <https://scala.io/>

## Others



### Course

Nov. 2023  
Polytech Montpellier

Gave a 3h course (for the first time) about building parsers with functional programming to master students, based on the [Parser combinators](#) workshop from [Noel Welsh](#). The slides are available [here](#):

- ★ Reminders about Scala & Functional Programming
- ★ Design with Functional Programming (type classes)
- ★ Frequent and small exercises to apply the concepts

