Lucas Nouguier

Software Engineer

Contact

@ lucas.nouguier@protonmail.com

github.com/iusildra

+33 7 81 76 81 96

linkedin.com/in/lucas-nouguier

Montpellier, France

CodinGame 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, React
- SQL (Postgres)
- Git, GitHub, Docker

Soft skills

Autonomous | Code reviews

Teamwork oriented

Proactive | Curious

Certifications

★ TOEIC: 950 / 990

★ Driver's license

★ First aid in teams

Tech interests

★ Linux

★ Meetups & Conferences

★ Cloud & DevOps

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

Assistant Software Engineer   Mar. 2024 — today
.... **Teads France**

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

➢ Rewrote a legacy service that allows encoding ads' videos in different formats (to be able to deliver the optimal format for the user), with a focus on execution flow improvements, test coverage, 0-downtime migration, and 0 impact for users.

➢ 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. . .

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 Debuger Adapter
2023 — .
Scala Center & personal time

Implementation of the Scala debugger for VS Code & follow up of my internship at the Scala Center.

Scala Collections
2023 — .
Personal time

Joined the `scala-collections` team to review pull-requests on Scala's collections

Scala 3 (Dotty)
2023 — .
Scala Center & personal time

Onboarded on the compiler with the compiler academy to work on small issues.

Associative

Organizer
2022 — .
Sunny Tech

★ https://sunny-tech.io

★ Community Management (LinkedIn, Twitter)

★ Call For Papers reviewer (450 talks)

★ 2023 — 2024: Secretary

Organizer
2023 — .
ScalaIO

★ https://scala.io

★ Call For Papers reviewer

Volunteer
Sept. 2023
Scala Days Madrid

★ https://scaladays.org/madrid-2023

★ 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. Used Sass to style the website.

➢ 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 — .
Polytech Montpellier

Functional Programming, Scala, Type Classes, Parsers

Started with a 3h course about building parsers with functional programming (FP) to master students, based on the Parser combinators workshop from Noel Welsh:

➢ Reminders about Scala & FP

➢ Design with Type Classes

➢ Frequent and small exercices

➢ Slides available here

Starting from 2024 — 2025, I'll give around a +9h course about functional programming in general, with Scala as base language, which will serve as a basis for another course given by someone else.