Lucas Nouguier

Software Engineer

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 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

 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 tech passions even though I recently discovered with Scala.IO's website that CSS can be fun

(ex-)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 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: queues, lambdas, alarms. . .
- Double run to ensure the new service was working correctly

➢ Migrated the 'format' CI/deploy pipeline from Jenkins to GitHub Actions, and improved the DX at the same time (parallelization, better error messages). It helped in implementing a rollback mechanism in case of urgency

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

★ Community Management (LinkedIn, Twitter)

★ Call For Papers reviewer (450 talks)

★ 2023 — 2024: Secretary

Organizer
2023 — today
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.

➢ 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 exercices along the way

➢ Introduction to FP slides

➢ Parser combinators slides