

Antonio Gelameris

SCALA · JAVA FUNCTIONAL DEVELOPER

☎ (+39) 333/3341324 | ✉ toniogela89@gmail.com | 🏠 toniogela.dev | 📁 TonioGela | 📺 toniogela | 🐦 toniogela

“In order to understand recursion, one must first understand recursion”

Professional Summary

Scala/Java developer with a passion for creating elegant solutions. As a backend programmer with 3 years of career experience I have been able to create fast and reliable applications. I am a **self learner**: I have been able to start a career as a programmer despite it not being the core of my academic education. In my training as a physicist I have acquired skills that allow me to have a different view of the problem to solve, quite unique among developers. I am a **Scala** enthusiast, willing to contribute to the OSS community. In my spare time, I keep studying both to enhance my main knowledge and to open up to new libraries/technologies, striving to become a *T-shaped* developer. Currently in love with **Cats** and all the other **Typelevel**'s projects.

Experience

Bitrock s.r.l.

Milan, Italy

SCALA SOFTWARE DEVELOPMENT

Dec. 2018 - Present

- For a telco customer I contributed to develop a real time radio towers' kpi monitoring application using **Spark** and **Scala**. The application main goal is to process a big amount of data to check if some quality threshold has been exceeded and to raise an alarm. Using **Cats** to implement the validation logic and functional error handling of the configuration companion microservice has been the most intriguing challenge.
- I built a POC using **Kafka Streams** Scala API to monitor and process in real time a **WebSocket** channel of geolocalized events to produce aggregated information and metrics.

FacilityLive OpCo S.r.l.

Pavia, Italy

JAVA SOFTWARE DEVELOPMENT

Jan. 2017 - Dec. 2018

- I have been solely responsible for the development of more than 10 **Microservices** using **Spring Boot**. This microservices represented the connection and orchestration layer between a custom search engine platform deployed on **Kubernetes** and the data processing layer developed using **Spark** and deployed on **Mesos**. Every customization of the multi tenant application had to trigger a Spark job responsible of producing **Lucene** indexes whose search engine custom search was based on.
- I participated in the creation and design of a data parser that included an **HTML crawler/spider** using **Akka** to gather metadata to be used as search engine indexes.

SDG Consulting s.r.l.

Milan, Italy

BIG DATA ANALYST

Jun. 2016 - Jan. 2017

- I was the responsible for the design, installation and the maintenance of **IBM Watson Explorer** Products (the entire BlueMix Suite) for banks, pharma and telco customers.
- I have migrated 10000+ store procedures from Microsoft SQL Server 2008 to IBM PureData forAnalytics for a client, in order to reduce query execution times by an order of 3 magnitudes.

Skills

SCALA/JAVA STACK

- **Cats**-core, Akka suite
- Apache **Spark**, **Kafka** + Stream
- Good Knowledge of **JVM Internals**
- Many RDBMS, NoSQL DBs, Serialization Algorithms, Protocols, Build Tools, etc

OTHER

- Solid Knowledge of both **Functional Programming Patterns** and **Object Oriented Design Patterns**
- Good knowledge of the **Scala Type System** behaviours and very interested in Category Theory
- Big fan of **Test Driven Development** methodologies
- Advanced **Shell** scripting knowledge and some DevOps automation skills
- Well aware of **Agile** methodologies

SOFT SKILLS

- Very good **relationals skills** and good team mate used to work in 10+ members remote team
- Able to work in high stress, fast paced, and dynamic situations even **under pressure** or close to a delivery
- Ability to solve problems in a **fast** and **reliable** way, or to address them to the correct person
- **Self learner** with a passion for mentoring and training people
- Great communities lover and participant

LANGUAGES

- C1 Proficiency **English**
- **Italian** Native Speaker
- A1 Certified **Greek**

Teaching

University of Pavia

Pavia, Italy

LESSONS/PRESENTATIONS

2018 - 2019

- Presentation “**Basic Informatics, Coding and Tech Languages**” at Technological Innovation and Law Winter School (TIL 2019)
- Series of 2 “**Programming Basics**” lessons for the “*Law, Science and New Technologies*” class

Education

University of Pavia

Pavia, Italy

BACHELOR'S DEGREE IN PHYSICS

2008 - 2016

- Thesis Title: **Entropic sampling in spin systems**
- Developed code for numerical simulation of high-interacting spin systems in Potts' model