

Curriculum vitae

PERSONAL INFORMATION

Lorenzo Gabriele

📍 Contrada Buttorino 7, 87069 San Demetrio Corone (CS) (Italy)

☎ (+39) 3298925341

✉ inglorenzogabriele@gmail.com

🌐 [linkedin.com/in/gabrielelorenzo](https://www.linkedin.com/in/gabrielelorenzo) github.com/lolgab

💬 [Skype](#) lorenzo.gabriele | [Telegram](#) @lorenzogabriele

PREFERRED JOB

Scala Engineer

WORK EXPERIENCE

12/2017

Developed Vim like Atom Plugin on [freelancer.com](#)

- Developed a full Vim-like Atom plugin using Scala.js meeting all the application requirements in half the time given to do the project.
- These are the employer's words: "Lorenzo was an amazing freelancer. He did everything exceptionally and on time! Would definitely hire him again! Thank you"

05/2016–06/2016

IOS Developer

R2G Free, Milan (Italy)

- Developing IOS and IWatch application for a major Italian bank

EDUCATION AND TRAINING

01/10/2016–12/04/2019

Master Degree in Computer Science Engineering

EQF level 7

University of Calabria, Rende (Cosenza) (Italy)

Thesis: Citation networks analysis using PageRank and collaboration relationships.

Degree grade: 106 / 110

- High level systems architecture design (designing from ground up full stack applications with SPAs, databases integration etc.)
- Low level performance programming (achieved 3x speedup on highly optimized C code on gcc -O3 using x64 assembly, manual loop vectorization and Advanced AVX techniques)
- Embedded systems programming (Designed and realized an High Precision PID algorithm to maintain the perfect temperature on a Home Espresso machine using AVR controllers only (no Arduino facilities))
- Domotics systems (studied all the main Domotics systems like KNX and realized a distributed wireless alternative using EPS8266 integrated board)
- Operative research, statistics and floating point calculus

01/10/2012–15/03/2016

Bachelor Degree in Computer Science Engineering

EQF level 6

University of Calabria, Rende (Cosenza) (Italy)

Thesis: Reactive Programming in Scala. State machine execution framework development.

Degree grade: 102 / 110

- Basic programming and systems design.
- Developed projects from very low level to very high level of abstraction.
- Automation systems basics.

- Low level hardware design in VHDL.

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Spanish	B2	B2	B1	B1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills

- Very good knowledge of the Scala language (and its backends Scala.js and Scala Native) and its ecosystem (contributor to many libraries)
- Very good Java language knowledge (language chosen by University for many of its courses)
- Knowledge of many other programming languages (C, Python, Nim, Objective C, Swift, Javascript)
- Knowledge of the web stack (Html, CSS, Javascript)
- Knowledge of the main SQL DBMS (Oracle, MySQL, Postgres, Sqlite)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

Other skills

- Audio Engineering: I have a small recording studio and can record, mix and master high quality music and voiceovers

Driving licence

B

ADDITIONAL INFORMATION

Certifications

- Functional Programming in Scala Specialization
- Functional Programming Principles in Scala
- Functional Program Design in Scala
- Parallel Programming
- Big Data Analysis with Scala and Spark

Projects

- SNiPY, a bridge to Call python code from Scala Native at almost zero cost. <https://github.com/loigab/snipy>
- scalaui, Scala Native wrapper for libui native gui framework. <https://github.com/loigab/scalaui>
- Ported many Scala libraries to Scala Native: reactify, BooPickle, uPickle, scribe.






Lorenzo Gabriele

Mother tongue(s)
Italian

Foreign language(s)
English, Spanish






English

Self-assessment of language skills

UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user

Spanish






Self-assessment of language skills

UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
B2 Independent user	B2 Independent user	B1 Independent user	B1 Independent user	B2 Independent user

Linguistic and intercultural experience

Description	Duration
Using languages for study or training: Erasmus internship at Computer Science Engineering course of Huelva University (ES)	2/2/18–25/6/18

Common European Framework of Reference for Languages - Self-assessment grid

		A1 Basic user	A2 Basic User	B1 Independent user	B2 Independent user	C1 Proficient user	C2 Proficient user
Understanding	 Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	 Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
Speaking	 Spoken interaction]	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	 Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
Writing	 Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

Common European Framework of Reference for Languages (CEFR): © Council of Europe