Simone Bisogno

M.Sc. Computer Science
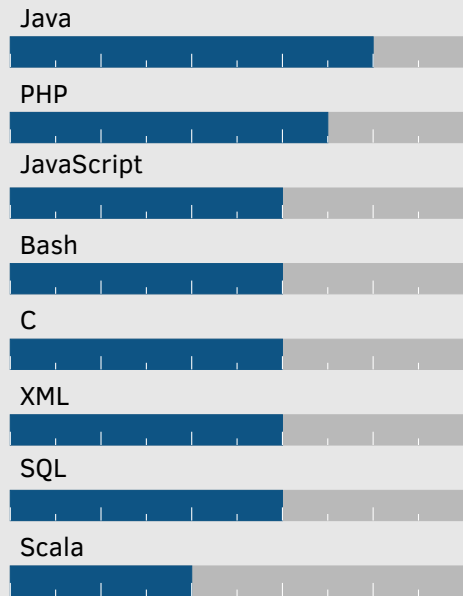
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About me

Simone is meticulous up to the point that he may look tedious at first sight, despite keeping into account that an insistent seek for the best choices may lead to the wrong path.

Maybe because of his peculiarity he's a slow learner, yet he reaches proficiency once he learnt.

Skill

Java

PHP

JavaScript

Bash

C

XML

SQL

Scala

OOP⋆4 GitHub⋆3.5 Maven⋆3 Bash scripting⋆3 Git⋆3 CI\CD⋆3 Containerisation⋆3 Cloud services⋆2.5 Functional programming⋆2

interests

Simone got a Master of Science in Computer Science; he's got an academical background of cloud computing

He acquired academic knowledge on the following fields: 'Distributed programming', 'Software engineering', 'Concurrent, parallel and cloud programming', 'Distributed cloud architectures'

education

since 2018	Master of Science Computer Science	University of Salerno
2014-2018	Bachelor of Science Computer Science	University of Salerno

thesis publications

2020	FLY Graph: defining network problems on multi-cloud environment	Carmine Spaguolo Ph.D.

This thesis involved working on introducing an API to deal with graph ADT within the FLY language.
FLY is a domain-specific, multi-cloud language developed by ISISLab

2018	DMASON on the cloud: Amazon EC2	Prof. Vittorio Scarano

This thesis involved working on letting DMASON interact with AWS EC2 infrastructure.
DMASON is a distributed simulations framework developed by ISISLab

projects

By working on the projects listed here, Simone took the chance to acquire additional knowledge like Bash scripting and automation of CI/CD processes.

</> FLY Graph — The project for 'Distributed Cloud Architectures' course consisted in writing an API based on existing graph manipulation libraries like JGraphT (in Java) and NetworkX (in Python) and integrate it within FLY language, developed by ISISLab
https://github.com/bissim/FLY-graph

</> Jacobi MPI — The project for 'Concurrent, Parallel and Cloud Programming' course consisted in solving a mathematical problem by using parallel paradigm; in particular, I was assigned the Jacobi Relaxation problem. The challenging part was not the parallel algorithm per se but automated deployment with Bash scripting over an AWS EC2 cluster
https://github.com/bissim/Jacobi-MPI

</> BGP D2D — The project for 'Advanced Operative Systems' course consisted in analyzing an enormous quantitative of genomic sequences (dozens of GB) by using the framework Apache Hadoop to implement the D2 similarity measure to get a similarity matrix for input sequences
https://github.com/bissim/bgp-d2

personal skills

Team work — During his academical activities, Simone had several chances to work as part of teams and deal with tasks, e. g. in adbis project he dealt with tasks concerning the introduction of DAO and routing

experience

2019	Formazione lavoratori rischio basso (Italian)	University of Salerno