



Massimo Schembri

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B

Github:

[https://github.com/
PeterParser](https://github.com/PeterParser)

**Professional
interests:**

Cybersecurity
Network
Algorithms

Personal interests:

Fitness
Personal Finance
Cooking

Massimo Schembri

Infrastructure Engineer at Var Group from March 2021

I like to share my ideas and my point of views with other people to get to the best results. Now I am working very hard in the field of containers and automation, GitOps methodologies and kubernetes as the driver for my learning and working.

Education

2018 - 2021, Università di Bologna

Master Degree Computer Engineering. Grade 110L/110.

2015 - 2018, Università di Bologna

Bachelor Degree in Computer Engineering. Grade 109/110

2010 - 2015, IIS O. Belluzzi

High school. Grade 75/100

Skills

Languages

- Italian
- English B2

Programming Languages

- Java
- Bash
- Python
- Go

Software and platforms

- Linux
- Openshift
- Ansible
- Kubernetes
- Helm
- AWS

Certifications

Red Hat Certified Architect in Infrastructure

Obtained 31/10/2022 and valid until 07/04/2024.
Certification ID: 210-047-353

Red Hat Certified Specialist in Enterprise Application Server Administration

Obtained 05/07/2023 and valid until 05/07/2026.
Certification ID: 210-047-353

Red Hat Certified Instructor

Obtained 31/10/2022

Red Hat Certified Specialist in Red Hat Certified Specialist in Multi-Cluster Management

Obtained 31/10/2022 and valid until 31/10/2025.
Certification ID: 210-047-353

Red Hat Certified Specialist in Openshift Data Foundation

Obtained 05/10/2022 and valid until 05/10/2025.
Certification ID: 210-047-353

Certified Kubernetes Administrator

Obtained in 14/05/2022 and valid until 14/05/2025.

Red Hat Certified Specialist in OpenShift Application Development

Obtained in 10/01/2022 and valid until 10/01/2025.

Certification ID: 210-047-353

Red Hat Certified Specialist in Openshift Administration

Obtained in 21/07/2021 and valid until 21/07/2024.

Certification ID: 210-047-353

Red Hat Certified Engineer

Obtained 28/04/2021 e and valid until 21/07/2024.

Certification ID: 210-047-353

Red Hat Certified Specialist in Containers and Kubernetes

Obtained in 07/04/2021 e and valid until 07/07/2024.

Certification ID: 210-047-353

Red Hat Certified System Administrator

Obtained in 21/04/2021 e and valid until 21/07/2024.

Certification ID: 210-047-353

Activities

My daily activities in my current job are the following:

- Managing the Open Source team and leading the technical part.
- Administrating Openshift and kubernetes production clusters for several customers and advising for next step improvement.
- Advising the customers for the best solutions and architectures in the kubernetes world and in the IT automation processes.
- Application refactoring to fit and leverage the kubernetes world.
- Delivering courses about containerization and kubernetes and also Ansible.
- Integrating and implementing the Ansible Automation Platform technology in different companies to manage the entire IT stack and automate the IT processes.
- Designing and presenting kubernetes and/or ansible solutions to customers and pre-sales activities.

Personal projects

AWX - Insights, 2023

Designing an endpoint for scraping the AWX Metrics. Then design a grafana dashboard to show calculated values that can provide insights to the Ansible user (like the ROI in terms of time for an automation).

Technologies: Quarkus, Ansible, Grafana.

Master Thesis, 2021

Design and implementation of an anomaly prediction system for the supercomputer Marconi of CINECA.

The thesis can be found here: <https://amslaurea.unibo.it/22379/>

Technologies: Python, Tensorflow, Keras.

RLAcrobot, 2020

A solution for "The acrobot Problem" proposed in the book "Reinforcement Learning: An Introduction" by Sutton & Barto with Deep Reinforcement Learning techniques.

Technologies: Python, Tensorflow, Keras, Gym

BarcodeAnalyzer, 2020

Barcode analyzer for 1-D barcodes for the ISO/IEC 15416.

Technologies: Python, OpenCV.

Showdown-AI Bot, 2019

Player of the Pokémon game on the Pokémon showdown platform, using AI Techniques.

Technologies: Python, Docker, MySQL.

Ossarracino, 2019

Tablut player for the competition of the AI university course.

Technologies: C++.