Massimo Schembri

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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++.