

# Mattia Tupone

## About Me

| Patterns before tools.

I'm a DevOps Engineer based in Italy with a strong passion for automation and operations. Self-motivated and quick learner with experience in Devops and Systems Engineering/Design area.

Constantly evolving to embrace the next challenge, give me a shell and I'll be happy with it.

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## Experience

### Aptargroup, Inc

| Senior DevOps Engineer, IS Customer Engagement Team // Jan, 2020 - Present

Managed Kubernetes infrastructure, Kafka systems, and ArgoCD for Customer Platform Portal.

Replatformed MES Kubernetes infrastructure from 30 static clusters to 40 dynamic managed Kubernetes clusters with Rancher v2.7.1 and vSphere.

Automated app provisioning with Fleet and business apps deployment via ArgoCD.

Enhanced monitoring by using in-cluster Prometheus and aggregating data with Thanos.

Migrated from Docker Swarm on Raspberry Pis to k3s Rancher managed clusters with Gitlab CI/CD.

Previous roles include DevOps Engineer in IS MES Delivery Team and IS Software Engineering Team.

### Beam Mobility

| Cloud and DevOps Architect // Nov, 2020 - Mar 2022

DevOps strategies and cloud infrastructure based on AWS.

### Aesys

| DevOps Consultant // Jan, 2020 Jun, 2021

DevOps consultant. Working primarily for Aptargroup, Inc.

### IMM Hydraulics S.p.a

| SysAdmin // Feb, 2018 - Jan, 2020

VMWare and general infrastructure management, internal systems developer.

### CIS - Consorzio Italia Servizi

| IT Technician/SysAdmin // Feb, 2016 - Feb, 2018

Management, implementation, maintenance and updating of corporate IT infrastructures and in separate location

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## Education

### Scientific High School Diploma

| Scientific High School "Galileo Galilei", Lanciano, IT  
2009 - 2014

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## Projects

2021 // Best Pitch of 2019 @Imperial College of London // Top 30 Projects 2020 @ESA (European Space agency) MyGalileoSolution - In the Top 3 finals for 2021.

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## Skills

### soft@skills

Effective soft skills, continuous self-improvement, creative problem-solving, adaptability to change, inquisitive analysis, and strong troubleshooting abilities.

### devsecops@skills

Emphasizing my proficiency in monitoring, GitOps, Kubernetes, and Infrastructure as Code, my skill set spans cloud platforms like AWS, Azure, DigitalOcean, and Hetzner. I excel in container orchestration, encompassing Kubernetes (Vanilla, RKE, k3s) and Docker/Docker Swarm.

Additionally, I have a strong foundation in managed Kubernetes environments (Rancher v2.5/v2.7, AKS, EKS), GitOps tools (Fleet, ArgoCD), monitoring with Prometheus and Grafana, and observability through ELK (Elasticsearch, Logstash, Kibana).

My expertise extends to Infrastructure as Code tools like HashiCorp Packer, Terraform, Ansible, and AWX, as well as CI/CD pipelines with GitLab CI/CD, GitHub Actions, and Jenkins.

I'm well-versed in version control systems (GitLab, GitHub) and scripting languages (Bash, Python, PowerShell), with a solid understanding of distributed systems like Apache Kafka and databases such as PostgreSQL and SQL Server 2012/2014.

### systems@skills

Proficient in systems including Ubuntu, Debian, OpenSUSE/SLES, and Microsoft Windows Server, along with strong networking skills covering firewalls, security policies, subnetting, VLANs, VPNs, reverse proxies, and load balancers.

Skilled in detailed analysis of logs, metrics, traces, and graphs, and experienced in working with protocols like TCP, SSH, HTTPS, and IPSec.

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## Recognitions

- 2023 // HashiCorp Certified - Terraform Associate 003
  - 2022 // CKS - Certified Kubernetes Security Specialist
  - 2022 // HashiCorp Certified - Terraform Associate 002
  - 2021 // Microsoft Azure Fundamentals - AZ-900
  - 2021 // CKA - Certified Kubernetes Administrator
  - 2017 // VMware Certified Professional 6 - Data Center Virtualization
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## Interests

- In love with music, 8 strings guitars, producing different kind of music, mixing/mastering engineering and Reaper DAW.
  - Avid reader devouring books from Fedor Dostoevskij to Isaac Asimov passing by Naoki Urasawa.
  - Traveller and new locations explorer. There's a world behind the window!
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## Contacts

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