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# Managed Service

Infrastructure Automation, Kubernetes,  
System Engineering & 24/7 monitoring



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# Hello

We are a group of **DevOps Engineers** with strong passion about **UNIX like systems, Open Source** and **automation**.

One of our main goals is to balance hypes with stability while trying to get the best of both worlds.

Intelligent, automated and self-explaining solutions are what we do, in the cloud and on premise.

Once setup your infrastructure we provide **24/7 monitoring services**.



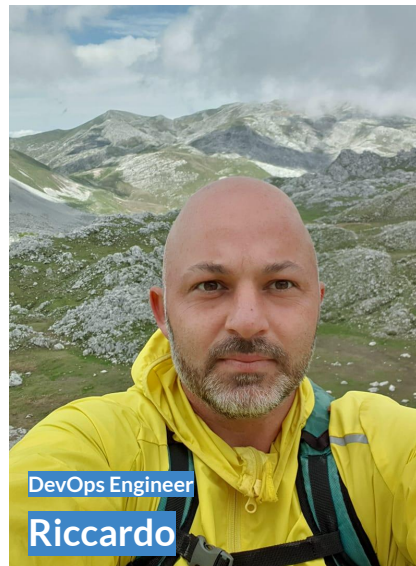
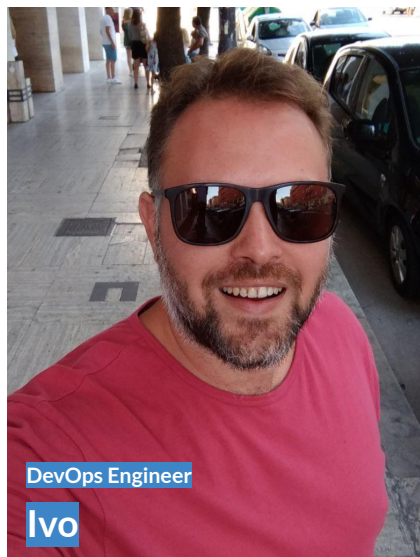
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# Team

Born as a distributed team, we embrace remote working as a natural way of working.

We love direct and fast communication flows combined with smart cloud technology to make our everyday's tech-life easier.

We are Floods.io



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DevOps Engineer

# Ivo

Passionate about all things related to Unix like systems, I've started using Linux since 1998.

I help customers run large-scale, reliable applications in the Cloud by working with engineers and architects to design, build, optimize, and operate infrastructure.

Focus is system automation and migrating workloads to container-based deployments.



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DevOps Engineer

# Riccardo

Situated and in love with Rome.  
Enthusiastic and detail-oriented software engineer with several years of experience in building web applications and administering Linux servers.

Truly lover and follower of the DevOps culture and its principles, focusing on automation, support and ensure CI/CD in product developing.



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DevOps Engineer

# Michael

I'm a technical solutions engineer, enthusiastic about the DevOps approach, as it's a game changer for the system development life cycle. So, I decided to delve deeper into the principles, to live them, and that's why I recently joined the team in this adventure.

I love smart and automated solutions, especially when combined with Docker and all the advantages that microservices can bring.



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# Problems to solve

1

One of the main pain points to solve, quite probably, is to **free the dev team from the burden of infrastructure related tasks** while deploying should be fun and straightforward.

2

Get back in full control of the infrastructure. Here, automation & GitOps are key solutions. **All environments should be provisioned using code in git** which can be reviewed by any team member.

3

It's vital for business to **keep the infrastructure up and running all the time**. To achieve this, monitoring is one of the most important aspects. We take care of this while you don't need to.

4

As far as the tech landscape moves incredibly fast, it's fundamental to adopt **the right technology stack**. Hypes are nice to follow, but new technologies must follow the real needs of the dev team.



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Project objective

Relief the dev team from the burden of worrying about infrastructure related questions. Infrastructure as a Service is the way to go. Automation, reproducibility and GitOps lead the way.

# Powerup process

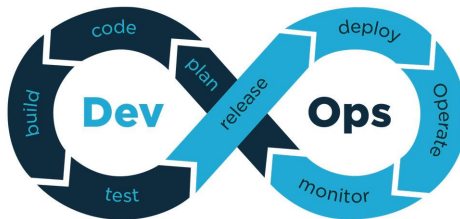


## Direct communication

Information moves fast, and so do we. A shared Slack workspace with your team is our virtual office. We are where you are.

## Automation, CI/CD & GitOps

Three key concepts to gain back control of your infrastructure. Maintain it via code and make it transparent to the whole team.



## System Engineering & Monitoring

We keep your systems up and running in the background while you can focus on what you know best: Write quality code. **We do 24/7.**

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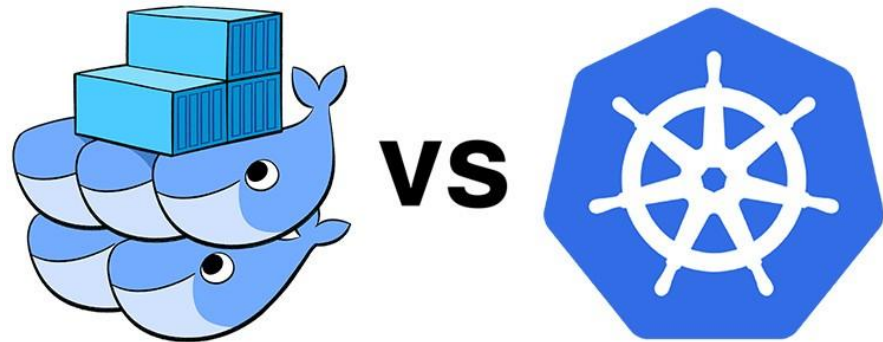
# Tech trends

## Docker Swarm and K8s

Kubernetes is here to stay, we adopted this technology stack early to be ready when the customer requirements reach a certain degree of complexity. Simultaneously, it's a good choice to run both Docker Swarm and K8s side by side to get a feeling about the next level of abstraction.

### Implications:

The paradigm shift to microservices has already been done, now it's time to get comfortable with the right orchestration tool for the upcoming years. Kubernetes can help out here.



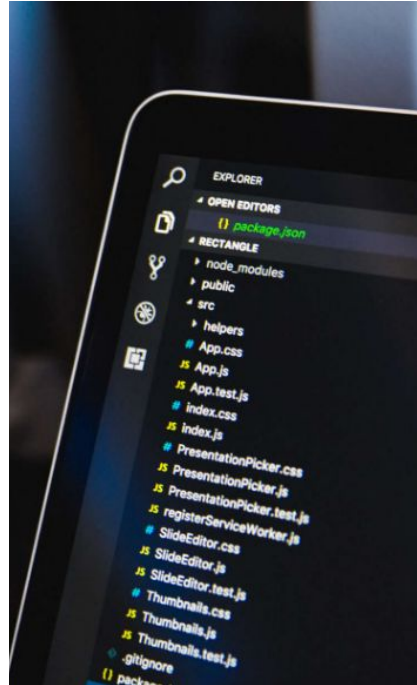
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# Goals

As a role of thumb, we can identify five milestones which we usually want to achieve with the dev team.

Let's consider this a journey into DevOps.

- 01 | Introduce the DevOps philosophy
- 02 | Remove the workload related to infrastructure
- 03 | Approach GitOps, automation and IaC
- 04 | Review CI/CD, monitoring and deployments
- 05 | Have fun while doing it



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Proposed solution

Review the existing infrastructure stack and get it shaped for being just consumed as a service. Foresee the future requirements and eventually prepare for Kubernetes as long-term goal.

# Consulting



Through the last years we successfully worked together with different web agencies, telco and software companies in the tech sector. Each one with different requirements but with a common attitude, to focus on core business without worrying about infrastructure.





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**Thank you.**

