

AI Training Program for DevOps and SRE

Training Program



This half-day training course enables DevOps and SRE profiles to integrate artificial intelligence into their operations and infrastructure practices. It focuses on the use of AI tools suited to DevOps environments in order to make deployments more reliable, improve observability, automate infrastructure and anticipate cost drift. Participants leave with directly reusable practices and a clear understanding of when and how to use AI to support system reliability and performance.

Objectives and target skills

- Understand the impact of AI on DevOps and SRE practices and strengthen collaboration between development and operations.
- Use AI to improve system reliability and observability, especially through monitoring automation and weak-signal detection.
- Use AI for troubleshooting and incident analysis in containerized and cloud environments.
- Automate and optimize infrastructure with AI, from component definition to cloud platform management.
- Manage cloud costs and consumption with AI by anticipating drift and identifying anomalies.

Public	Prérequis	Durée
✓ DevOps. ✓ SRE. ✓ Lead developers. ✓ Tech leads.	✓ Experience with CI/CD and Docker. ✓ Having attended the AI training for developers is a plus.	1/2 day.

Training content

AI and new DevOps / SRE challenges

- Faster delivery cycles.
- New risks.
- Role evolution.
- Dev - DevOps - SRE positioning in an AI context.

AI and CI/CD pipelines

- Pipeline analysis and optimization.
- Anomaly detection in builds and deployments.
- Configuration assistance.
- Anticipating breaking points.

AI-assisted observability

- Intelligent analysis of logs, metrics and traces.
- Detection of recurring patterns.
- Multi-source correlation.
- Incident diagnosis support.

Docker and Kubernetes

- Generation and validation of Dockerfiles.
- Kubernetes manifests.
- Terraform / Ansible scripts.
- Compliance checks.
- Good practices.

Cloud and cost management

- Using AI to manage a public cloud.
- Anticipating cost drift.
- Consumption trend analysis.
- Anomaly detection.

Exercises and deliverables

- AI checklist for CI/CD pipelines.
- Examples of generated and commented infrastructure as code.
- AI analysis grid for production incidents.
- AI good practices for DevOps and SRE.
- Usage recommendations according to operations contexts.

Access conditions

Registration lead time: from 2 months to 1 week before the training starts, subject to available seats and scheduling constraints.

See the General Terms and Conditions of Sale: <https://www.opcoach.com/cgv>.

Registration is completed on the OPCoach website using a link provided in the invitation. This registration collects information about the participant, their professional environment, role, expectations and prerequisites before the training starts.

Accessibility for people with disabilities

People with disabilities may have specific accessibility needs to attend the training. Please contact us so that we can discuss suitable arrangements.

Training format	Group size
On-site or remote training.	From 1 to 8 participants, on site or remotely.

Fees	Schedule
Inter-company training: EUR 375 excluding VAT. In-company and custom training: please contact us.	Schedule available on https://www.opcoach.com/ .

Training location
Inter-company training takes place in our InterIndep premises at 2 impasse Michel Labrousse, 31100 Toulouse. The training room is accessible by public transport and by car, and has parking facilities. Several restaurants and a hotel are located nearby. A break area is available for cold and hot drinks during breaks. All these facilities are accessible to people with reduced mobility. In-company training is preferably delivered at the client's premises. Hosting conditions are validated before the training. Remote training is delivered with Zoom and can be organized as inter-company or in-company training.

Teaching approach	Teaching resources
Alternating short lectures and individual hands-on exercises on a workstation. Sharing and discussion of the results obtained.	On site: training room with video projector, whiteboard, high-speed Wi-Fi and a training binder provided to the participant. Remote: high-speed internet access, webcam, free Zoom software, PDF course material sent to the participant. One workstation per participant.

Trainer supervision
Olivier Prouvost, DEA in Computer Science, recognized open source expert and trainer for more than 20 years, developer of AI solutions to optimize SMEs, speaker at international conferences, Eclipse committer on several projects, founder of OPCoach, a Qualiopi-certified training organization since 2020, and ICPF & PSI certified expert trainer and consultant.

Learning assessment	Recognition
Continuous assessment through the completion of the practical exercises, leading to the creation of a functional prototype.	A certificate of skills is provided to the participant.

Satisfaction assessment
At the end of the training, the participant completes a satisfaction survey and takes part in a group feedback session. The participant benefits from unlimited email support for practical questions related to the training. After 3 months, or after applying the training in the workplace, a follow-up questionnaire is completed to assess practical use.

Technical, teaching, administrative and financial contact
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