

Cloud-native Software Development and DevOps in practice with Docker and Kubernetes

10-week Mentored Cloud and DevOps Training for Developers

Kurstyp	Online Seminar
Themen	Digitalisierung, Tools und Software, Data Science
Zielgruppe	This course is designed for business application developers who are new to DevOps and cloud-based deployment, providing a comprehensive understanding of the entire DevOps cycle and cloud-native development challenges. It requires a basic understanding of application packaging, networks, operating systems, and command-line interfaces, while knowledge of Java, Linux, Git, Docker, Kubernetes, and Spring Boot is beneficial. It is also ideal for those who have learned cloud solutions independently and now seek a structured, reliable foundation.
Beschreibung	This course equips developers with the essential skills to work in cloud-native, DevOps-based projects, covering DevOps principles, cloud technologies, and deployment challenges. Through hands-on projects, participants will gain practical experience with Kubernetes, network security, and cloud-native application requirements. The flexible schedule allows for 8-12 hours of weekly learning, with personalized guidance from instructors. As cloud adoption grows, DevOps expertise is becoming a must-have for developers and other IT professionals, making this course a valuable investment in your career.
Zusatzinformationen für Teilnehmer:innen	<ul style="list-style-type: none">• The course will be held in English as well as all projects and questions will be submitted in English.• E-learning materials, self-paced: Access interactive digital materials and guided coding videos to study at your own pace, with one year of rewatching available.• Learn-by-doing approach, weekly schedule: Apply your knowledge through weekly practice exercises, requiring 8-12 hours of study each week.• Constant mentoring, live sessions: Receive feedback on projects, ask questions anytime, and join live sessions for personalized support.• Exam, certificate: Complete an exam and/or hand in your final project at the end of the course to earn a certificate for your CV and LinkedIn profile.
Teilnehmende	This course requires a basic understanding of application packaging, networks, operating systems, and command-line interfaces. Additional knowledge of Java, Linux, Git, Docker, Kubernetes, and Spring Boot is beneficial.
Dauer	10 weeks

Termin/e und Ort/e

- 05.05.2025 / 19:00 - 20:00 Uhr
Introduction & Kick-off
- 12.05.2025 / 19:00 - 20:00 Uhr
Overview of DevOps and Cloud-Native
- 19.05.2025 / 19:00 - 20:00 Uhr
Containerization
- 26.05.2025 / 19:00 - 20:00 Uhr
Basics of Kubernetes
- 02.06.2025 / 19:00 - 20:00 Uhr
Kustomize
- 09.06.2025 / 19:00 - 20:00 Uhr
HELM
- 16.06.2025 / 19:00 - 20:00 Uhr
Application Performance and Logging in the Cloud
- 23.06.2025 / 19:00 - 20:00 Uhr
Application Configuration and health checks in the Cloud
- 30.06.2025 / 19:00 - 20:00 Uhr
Metrics and Monitoring in the Cloud
- 13.07.2025
Submission Final Project

Preis	1170 CHF
Trainer/-in	Dávid Csendes Dávid Csendes - Cloud-native Java Developer @Alerant Zrt. He has been working with Kubernetes since 2019 (specifically with OpenShift and OKD), and since then, he has been responsible for or involved in developing onboarding support documentation for numerous enterprise cloud-native applications (e.g.: Hungarian Post). In recent years, he has played a leading role in automating the deployment of complex applications to the cloud. For years, he has been a regular speaker at cloud-native professional events, mainly focusing on microservice optimization and migrating applications to the cloud. He is also a Red Hat Certified Specialist in OpenShift Application Development.
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