Microsoft at Devoxx 2022

We’re excited to bring our Java technical team to the diamond capital of the world. Devoxx Belgium 2022, a developer community event organized by the Belgian Java Users Group, takes place from October 10 – 14 in Antwerp.

We’re presenting many sessions that dig into Java, Open Source, Azure, and featuring live demos at our booth. We’re looking forward to a great learning and networking experience, and maybe some beer and a chocolate or two.

Code, Deploy, and Scale Java Your Way

Learn more: developer.microsoft.com/java
Microsoft will be everywhere at Devoxx. We’ll present two three-hour deep dives, a three-hour workshop, a sponsored talk, and seven more sessions. This year we’re excited to team up with GitHub to showcase the latest integrations to bring your Java application source control and CI/CD workflows closer to your code. Don’t miss our featured session on Thursday morning where we will highlight how GitHub and Azure provide a seamless environment to rapidly code, test, and ship software securely. Here’s a preview so you can reserve time in your schedule.

<table>
<thead>
<tr>
<th>Session Type</th>
<th>Date/Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deep Dive</td>
<td>Monday, October 10 09:30 a.m. - 12:30 p.m. Room 5</td>
<td>Secrets of Performance Tuning Java on Kubernetes</td>
<td>Bruno Borges</td>
</tr>
<tr>
<td>Tools-in-Action</td>
<td>Monday, October 10 05:35 p.m. - 06:05 p.m. Room 9</td>
<td>From 'It works on my machine' to 'It was written by a machine' - GitHub Codespaces &amp; Copilot</td>
<td>Chris Reddington</td>
</tr>
<tr>
<td>Deep Dive</td>
<td>Tuesday, October 11 9:30 a.m. - 12:30 p.m. Room 5</td>
<td>Build Better, Deploy Faster: Spring Boot + Spring Cloud in the Cloud for frictionless Kubernetes-based Microservices</td>
<td>Mark Heckler</td>
</tr>
<tr>
<td>Hands-on Lab</td>
<td>Tuesday, October 11 01:15 p.m. - 04:15 p.m. BOF 1</td>
<td>Quarkus, Micronaut, and Spring Book fighting in the Cloud</td>
<td>Antonio Goncalves, Mark Heckler, Yohan Lasorsa</td>
</tr>
<tr>
<td>Conference</td>
<td>Wednesday, October 12 12:00 p.m. - 12:50 p.m. Room 9</td>
<td>Highly available, distributed &amp; resilient software... team</td>
<td>Yohan Lasorsa</td>
</tr>
<tr>
<td>Tools-in-Action</td>
<td>Wednesday, October 12, 05:35 p.m. - 06:05 p.m. Room 6</td>
<td>Building multi-screen experiences for the mobile web</td>
<td>Yohan Lasorsa, Oliver Leplus</td>
</tr>
<tr>
<td>Conference</td>
<td>Wednesday, October 12, 05:50 p.m. - 06:40 p.m. Room 5</td>
<td>Docker Compose: From Localhost to Cloud</td>
<td>Antonio Goncalves</td>
</tr>
<tr>
<td>Conference</td>
<td>Thursday, October 13 10:40 a.m. - 11:30 a.m. Room 7</td>
<td>End-to-end innersourcing and secure development with GitHub</td>
<td>Chris Reddington</td>
</tr>
<tr>
<td>Conference</td>
<td>Thursday, October 13 10:40 a.m. - 11:30 a.m. Room 8</td>
<td>Das Boot: Diving into Debugging Spring Boot Applications</td>
<td>Mark Heckler</td>
</tr>
<tr>
<td>Lunch Talk</td>
<td>Thursday, October 13 12:55 p.m. - 01:35 p.m. Room 4</td>
<td>What is JHipster Lite and why should you care?</td>
<td>Julien Dubois</td>
</tr>
<tr>
<td>Conference</td>
<td>Thursday, October 13 01:50 p.m. - 02:40 p.m. Room 6</td>
<td>Taking your web app offline (in a good sense)</td>
<td>Maxim Salnikov</td>
</tr>
</tbody>
</table>
Deep Dive

Secrets of Performance Tuning Java on Kubernetes

Join Microsoft Principal PM Manager Bruno Borges to learn insider tips to fine-tune Java Virtual Machine (JVM). We explore techniques to help increase performance while reducing costs in the cloud. Ops, SREs, and Java developers must understand the inner workings of JVM to resource apps. Without this knowledge, it isn’t easy to optimize scaling.

Tools-in-Action

From 'It works on my machine' to 'It was written by a machine' - GitHub Codespaces & Copilot

Join GitHub Senior Enterprise Advocate, Chris Reddington where he will introduce GitHub Codespaces and GitHub Copilot, explaining how they can improve your developer experience and make you even more productive!

Deep Dive

Build Better, Deploy Faster: Spring Boot + Spring Cloud in the Cloud for frictionless Kubernetes-based Microservices

In this session, Mark Heckler, Microsoft Principal Cloud Advocate for Java/JVM Languages, shows how to leverage patterns and open source software to rapidly build a robust portfolio of microservices, providing a foundation for your dynamic, growing microservice architecture. Learn how to develop, deploy, and manage microservices with industry-leading tools to build resilient, scalable, and available systems using Spring Cloud and Azure.
**Hands-on-lab**

**Quarkus, Micronaut, and Spring Boot fighting in the Cloud**

Bring your laptop to this extended workshop where you’ll develop three microservices. Three Microsoft experts, Principal Software Engineer Antonio Goncalves, Principal Cloud Advocate for Java/JVM Mark Heckler, and Senior Cloud Developer Advocate Yohan Lasorsa share which microservice is most appropriate in terms of performance, resource consumption, and startup time.

**Conference**

**Highly available, distributed & resilient software... team**

Microsoft Senior Cloud Developer Advocate Yohan Lasorsa shows how you can use the same concepts that you use to build software to create distributed, resilient, scalable teams in your organization.

**Tools-in-Action**

**Building multi-screen experiences for the mobile web**

AWS Developer Advocate Oliver Leplus and Microsoft Senior Cloud Developer Advocate Yohan Lasorsa combine to bring you the latest techniques for developing apps for mobile devices with foldable or multiple screens. They’ll explore how leveraging multiple screens helps create new user experiences for your web apps by diving into new and experimental web features. We’ll also show how to adapt existing apps for these devices while avoiding the quirksiness of these new CSS and JavaScript primitives.

**Conference**

**Docker Compose: From Localhost to Cloud**

Microsoft Principal Software Engineer Antonio Goncalves covers the latest release of Docker Compose and how it can be used in your development environment. We’ll share advanced use cases for developers and how Ops can deploy applications to the cloud using Docker Compose without needing Kubernetes. The talk also presents hints on when to use Docker Compose over K8s.
Conference (Featured)

End-to-end innersourcing and secure development with GitHub

Join GitHub Senior Enterprise Advocate, Chris Reddington to learn how to run your end-to-end development within your organization using GitHub Enterprise. This talk shows how you can bring Open Source best practices into your day-to-day work, which is known as InnerSource.

Conference

Das Boot: Diving into Debugging Spring Boot Applications

In this session, Mark Heckler, Microsoft Principal Cloud Advocate for Java/JVM Languages, shows how Spring Boot streamlines Java and Kotlin development with its developer-first focus. He’ll take you on a live-coding adventure(TM) into the hidden passageways of your Spring Boot application. Come to this session to get a deeper understanding of your Spring Boot apps and level up your debugging skills!

Lunch Talk

What is JHipster Lite and why should you care?

Join Microsoft Cloud Advocate Julien Dubois for the first conference presentation on JHipster Lite. He’ll discuss how this new version, built with the help of 600+ contributors, to discover the impacts of this version and find out how you can contribute, too.

Conference

Taking your web app offline (in a good sense)

Microsoft Azure Developer Technical Lead Maxim Salnikov explores the idea that while many web applications require a live connection to run effectively, you should consider whether to build the application for offline use first.
Win Prizes and Get Some Cool SWAG!

Watch Live Demos

We'll demonstrate how Microsoft supports increasing developer productivity while maintaining deployment flexibility at enterprise scale and how you can code, deploy, and scale Java without worrying about infrastructure:

**Developer Productivity**
See how you can use the IDE of your choice (Visual Studio Code, IntelliJ, Eclipse), customize CI/CD pipeline GitHub Actions, project management, and build automation, and use Jenkins Pipelines and Azure Pipelines to continuously build, test, and deploy your Java applications to any platform and cloud.

**Deployment Flexibility**
See how Azure supports your workload on any application architecture from apps running on VMs, in containers, to cloud-native microservices-based applications on fully managed service.

**Application Scalability**
We’ll show how to build a scalable application from state-of-the-art security and auto-scaling to supporting services for data, messaging, caching, performance monitoring, and automation.

Play the Java Quiz and Win a Surface Device

Visit us at our booth and play the Microsoft and GitHub Quiz. Quiz will test your Java knowledge and key takeaways from our sessions. The game’s leaderboard is calculated by the response time and correct answers. The faster you answer the more points you earn.

At the end of the event, finalists will be entered into a raffle. We will announce the winners in our post-event webinar.
Learn more about Java at Microsoft

Stop by our booth to watch live demos, pick up some cool SWAG or just come by and say “hi!

Learn how we help customers maximize existing and future technology investments. Over the past several years, thousands of Microsoft customers have moved to Java on Azure, including well-known companies such as AIA, Bosch, Daimler, FedEx, J.B. Hunt, Kroger, Mercedes Benz, and Swiss Re.

Code, Deploy, Scale Java Your Way

Asir Vedamuthu Selvasingh
Principal Architect for Java on Microsoft Azure

Asir Selvasingh from the Java on Azure engineering group has written a detailed paper called Code, Deploy, and Scale Java Your Way (view PDF). This paper provides a detailed look at the Java ecosystem that Microsoft has carefully curated and invested in for Java developers.

How Microsoft Applies Java

Bruno Borges
Principal PM Manager in the Java Engineering Group at Microsoft

Want to learn more about Microsoft’s focus on Java? We have another new paper by Bruno Borges and Theresa Nguyen from our Java Engineering Group that delves into details of how Microsoft applies Java (view PDF).

We invite you to check out our new web page for Java developers – developer.microsoft.com/java with the latest content and links to technical documentation, learning paths, and on-demand videos from our conferences and our Java Cloud Developer Advocacy team.
We are committed to the success of Java developers

Microsoft relies on Java and uses it a lot

Many people are surprised to learn that we're using Java to run significant parts of Microsoft and empower thousands of customers to do the same. We have deployed over 2 million JVMs for our internal systems and business needs.

Committed to continuous improvement in Java development community

We contribute to OpenJDK, and Eclipse Adoptium, Jakarta EE, and MicroProfile in the Eclipse Foundation; we are also a member of the Java Community Process. We work with thousands of Java developers and Java champions across our engineering teams to improve our Java products.

We empower developers to code and deploy without worrying about infrastructure

Through strategic partnerships with major vendors in the Java ecosystem, jointly developed solutions allow Java developers to keep using their favorite frameworks, tools, and services while benefiting from all the Azure cloud has to offer.

Learn more: developers.microsoft.com/java