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Bulletproof Java Enterprise Applications for The Hard Production Life

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It's one thing to develop Java Enterprise applications, to execute, and validate them in test environments. Running the application in production, however, is a whole other story. Production life is harsh, unforgivable and the ultimate verification whether your application is able to add value to its users. Besides knowing the Java Enterprise APIs, developers therefore also need to know how to meet production requirements. This session shows which non-functional requirements enterprise developers need to be aware of to build stable and resilient applications. We will see different resiliency approaches, such as circuit breakers, bulkheads, or backpressure, in action. We will implement these concepts using the Java Enterprise API, MicroProfile, and certain Java EE extensions. Furthermore, we will see, how especially service meshes enable us to add resiliency to multiple microservices in a transparent, redundancy-free fashion. Adding telemetry to our applications is crucial to gather insights about the application under production load. We will see how to enhance our microservices with concerns such as monitoring, tracing, or logging in a minimalistic way.

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