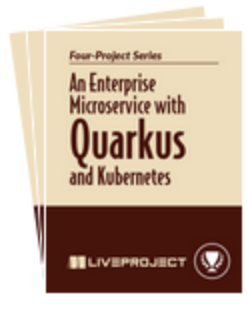


# dashboard for

## An Enterprise Microservice with Quarkus and Kubernetes

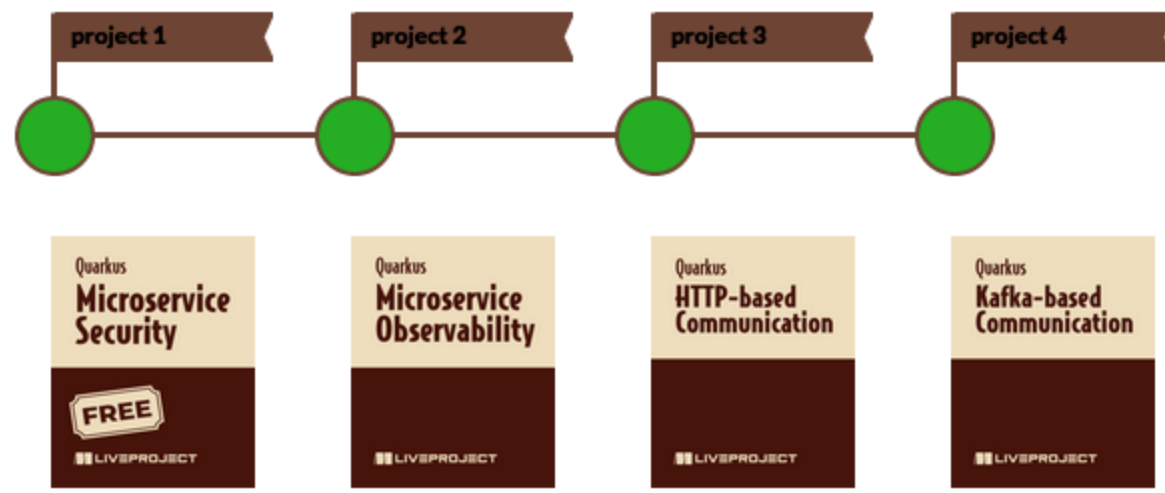
### series progress



#### An Enterprise Microservice with Quarkus and Kubernetes

Daniel Petisme

Chill+, a video streaming platform, is becoming increasingly popular. To support its success, the company is scaling out its Kubernetes cluster. As a result, Chill+'s infrastructure costs are skyrocketing. Your task as a software engineer is to devise strategies for managing these costs by reducing resource consumption. Leveraging the OpenID Connect (OIDC) protocol, you'll increase security by adding an authentication and authorization layer. To improve...



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#### Microservice Security

Daniel Petisme

You're a software engineer at Chill+, a video streaming platform that uses Java to develop its microservice architecture running on Kubernetes. Thanks to the company's soaring popularity, Chill+ is scaling out its Kubernetes cluster. Your task is to reduce infrastructure costs, which are growing faster than the company's customer base. To achieve your goal, you'll add security that reduces... [go to liveProject](#)



amazing! you have finished all milestones!!!



#### Microservice Observability

Daniel Petisme

Chill+, a video streaming platform, is becoming increasingly popular. To support its success, the company, which uses Java to develop its microservice architecture, is scaling out its Kubernetes cluster. As a software engineer, your task is to take control of the company's skyrocketing infrastructure costs, and your solution is to reduce resource consumption by increasing observability... [go to liveProject](#)



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#### HTTP-based Communication

Daniel Petisme

The success of Chill+ is soaring, but so are its infrastructure costs. As a software engineer for this nextgen video streaming platform, it's up to you to devise a cost-mitigating plan. Your solution is to reduce resource consumption by implementing crucial interservice communication and fault tolerance. You'll use a REST client to integrate with another HTTP service, mock external calls wit... [go to liveProject](#)



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#### Kafka-based Communication

Daniel Petisme

Enter course descriptionChill+, the nextgen streaming platform you work for, is scaling out its Kubernetes cluster to meet the demands of its increasing popularity. As a software engineer, your job is to devise a plan for managing the company's infrastructure costs which are rising as fast as its success. Your solution is to reduce resource consumption by implementing crucial interservic... [go to liveProject](#)



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### mentors



#### FERNANDO BERNARDINO

Fernando Bernardino is a Senior Developer specialized in large scale distributed systems. Throughout is 20+ years career, he worked in different areas of Software Engineering in Portugal and the UK. Also lectured as an Assistant Professor at Coimbra Polytechnic University, Portugal. Currently works at Wise, formerly Transferwise.

### authors



#### DANIEL PETISME

Daniel Petisme has an engineering degree in IT, and he's been mixing technical expertise and innovation at Michelin for the past ten years. He joined Confluent in March 2021 as a customer success architect providing support and guidance about Kafka-related technologies. He's a strong believer in open source, and he channels his passion for learning and sharing knowledge by teaching several software-related courses to IT engineers, and co-organizing local technical events. He's a part of the JHipster and Vert.x core team and actively contributes to Kafka and Quarkus.