

Training program:

Making rational architectural decisions driven by domain

Info:

Name:	Making rational architectural decisions driven by domain
Code:	Arch-decision
Category:	Architecture
Target audience:	
Duration:	2 days
Format:	50% lecture / 50% workshop

You can't avoid essential complexity when creating architecture. What you can avoid, though, is accidental complexity.

During this workshop, you'll learn how to align architecture with strategic Domain-Driven Design to focus on what truly matters. Without wasting time on technological bikeshedding.

We will walk through the full journey of a business-oriented architect: from product vision and business goals to high-level architectural boundaries expressed directly in code as a domain-driven meta-model.

You'll discover the value of making your architecture domain-driven and expressing it as code. You'll learn how to compare architectures using metrics, verify alignment between architecture and application and clearly represent business processes and personas. You'll also see how to generate diagrams tailored to any audience or purpose.

And the best part?

Once the domain-driven meta-model is in place, all of this becomes almost effortless.

What You'll Learn:

- Align architecture with strategic DDD principles
- Express architecture as a domain-driven meta-model in code
- Compare architectures using meaningful metrics
- Verify alignment between architecture and implementation
- Model business processes and personas effectively
- Generate diagrams tailored to different audiences and purposes

It's all about the content.

- How to align architecture with strategic DDD to focus on what truly matters
- High-level architectural boundaries expressed in code as an architectural meta-model
- How to compare architectures using metrics, verify alignment between architecture and application and clearly represent business processes and personas
- How to generate diagrams tailored to any audience or purpose

Training program

1. Foundations

- 1.1. What is architecture?
- 1.2. How do we make architectural decisions?
- 1.3. Identifying business goals
- 1.4. Understanding business drivers

2. Strategy and Business Alignment

- 2.1. Product Vision Board
- 2.2. Business Model Canvas
- 2.3. Impact Mapping
- 2.4. Context Maps
- 2.5. Business and architectural archetypes

3. Designing Architecture

- 3.1. Architectural drafts using Event Modelling
- 3.2. Architecture as a Code (meta-model approach)
- 3.3. Comparing architectures using metrics

4. Architectural Perspectives

- 4.1. Business Process
- 4.2. Solution (C4 Model)
- 4.3. Infrastructure
- 4.4. Team
- 4.5. Threats and Risks

5. Planning and Strategy

- 5.1. User Story Mapping (roadmap planning)

5.2. Wardley Mapping (strategic decision-making)

6. AI and Architecture

6.1. AI-assisted architecture design

6.2. Architectural Decision Records (ADRs)

6.3. Verifying architecture using agentic systems

6.4. Agent-assisted application verification

6.5. AI-assisted refactoring

7. Code Augmentation

7.1. Using annotations

7.2. Using conventions

8. Bonus

8.1. Introduction to Residuality Theory