



agap2IT

TRAINING CENTER

" Domain Driven Design "



D o m a i n D r i v e n D e s i g n

Welcome

Good morning and welcome

Buongiorno e Benvenuto

Bom dia e sejam bem vindos

Bonjour et bienvenue

Buenos días y bienvenido



D o m a i n D r i v e n D e s i g n

Welcome

Thank you for joining us today

Agap2It worked hardly to bring you a world-class learning experience.

Microsoft Certified Trainers + Instructors.

Your instructor is a premier technical and instructional expert who meets ongoing certification requirements.

We wish you a great learning experience and ongoing career success!



D o m a i n D r i v e n D e s i g n

Hello! Instructor introduction

Instructor

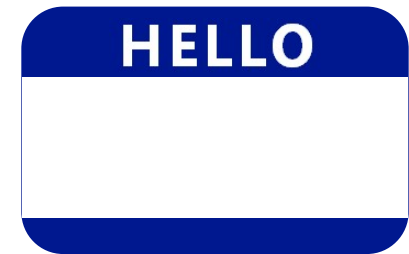
Jonatas Afonso, **Brazilian** from Rio de Janeiro, living in Lisbon since 2017.
Solutions Architect + Systems Engineer = A **Passionate Developer**

- Microsoft Certified Trainer since 2018
- Microsoft Certified Solutions Developer since 2017
- Microsoft Certified DevOps Expert since 2020
- + Microsoft Certifications
- Scrum Alliance Certified Scrum Master

18 years of professional experience

Worked in more than 150 different projects in 7 different countries (**So many bugs!**)

<https://www.linkedin.com/in/jonatasafonsoeto/>



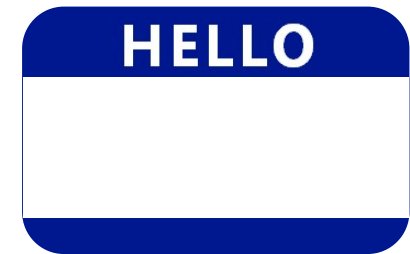


D o m a i n D r i v e n D e s i g n

Hello! Student introductions

Let's get acquainted:

- Your name
- Your country
- Company affiliation
- Title/Function
- Development experience in .NET Framework and with Domain Driven Design
- Your expectations for the training





Facilities

We are flexible 😊

- Class hours
 - Wednesday – 11:00 – 13:00 (interval) 14:00 – 19:00
 - Thursday – 9:00 – 13:00 (interval) 14:00 – 19:00
 - Friday – 9:00 – 13:00 (interval) 14:00 – 16:00
- Meals
 - Coffee break at 11:00 (15 minutes)
 - Lunch break at 13:00 (60 minutes)
 - Coffee break at 17:00 (15 minutes)





D o m a i n D r i v e n D e s i g n

About this training: Audience

This training is intended for professional developers who recognize that domain modeling is fundamental to software design.

Candidates for this training are interested in developing applications using domain models to validate valuable functionalities and translate them into a software implementation that truly meets the needs of their users. It is known that, despite its obvious importance, there are few practical resources that explain how to incorporate efficient domain modeling into the software development process.



D o m a i n D r i v e n D e s i g n

About this training: Prerequisites

Candidates who attend this training typically are IT professionals who have:

- Experience with requirements gathering.
- Experience with object-oriented programming.
- Experience in using the .NET Framework.



D o m a i n D r i v e n D e s i g n

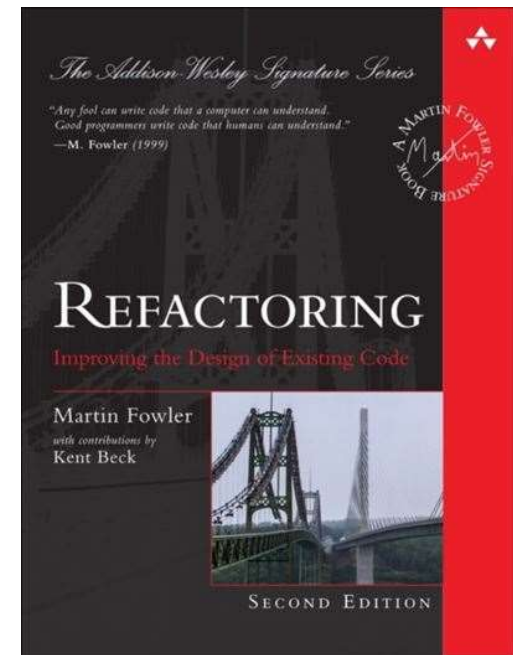
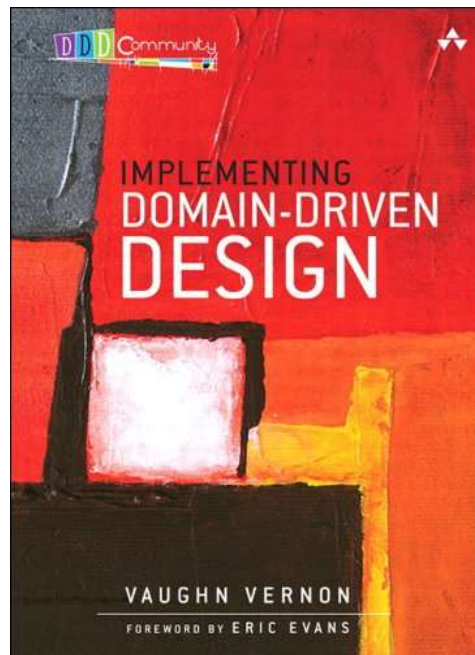
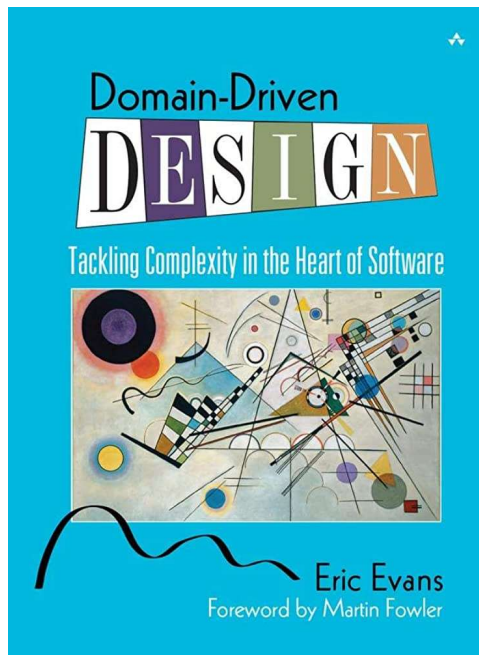
About this training: Objectives

After completing this training, students will be able to:

- Understand that software development is an iterative process.
- Recognize the interdependence between developers and business/domain specialists.
- Design the architecture and implementation of an application that fulfills a set of functional requirements, user interface requirements, and addresses business models effectively.
- Recognize that Domain-Driven Design presents technical challenges but also provides opportunities, especially when dealing with legacy software projects that have become difficult to maintain.

Your training materials

This training was created based on these books, available on Amazon ☺ ...





D o m a i n D r i v e n D e s i g n

Course outline

Day 1

Strategic Domain-Driven Design

Getting Started with DDD

Domains, Subdomains, and Bounded Context

Context Mapping

Tactical Domain-Driven Design

Entities

Value Objects

Aggregates

Domain Services

Factories



D o m a i n D r i v e n D e s i g n

Course outline, continued

Day 2

Architecture and Event-Driven Modeling

Modular Architecture

Architectures That Support DDD

Domain Events, Event Storming, Extreme Modeling

Day 3

Strategic Design Meets Implementation

Persistence and Event Sourcing

CQRS

Integrating Bounded Contexts

Application Patterns

Technical Training

Let's do it