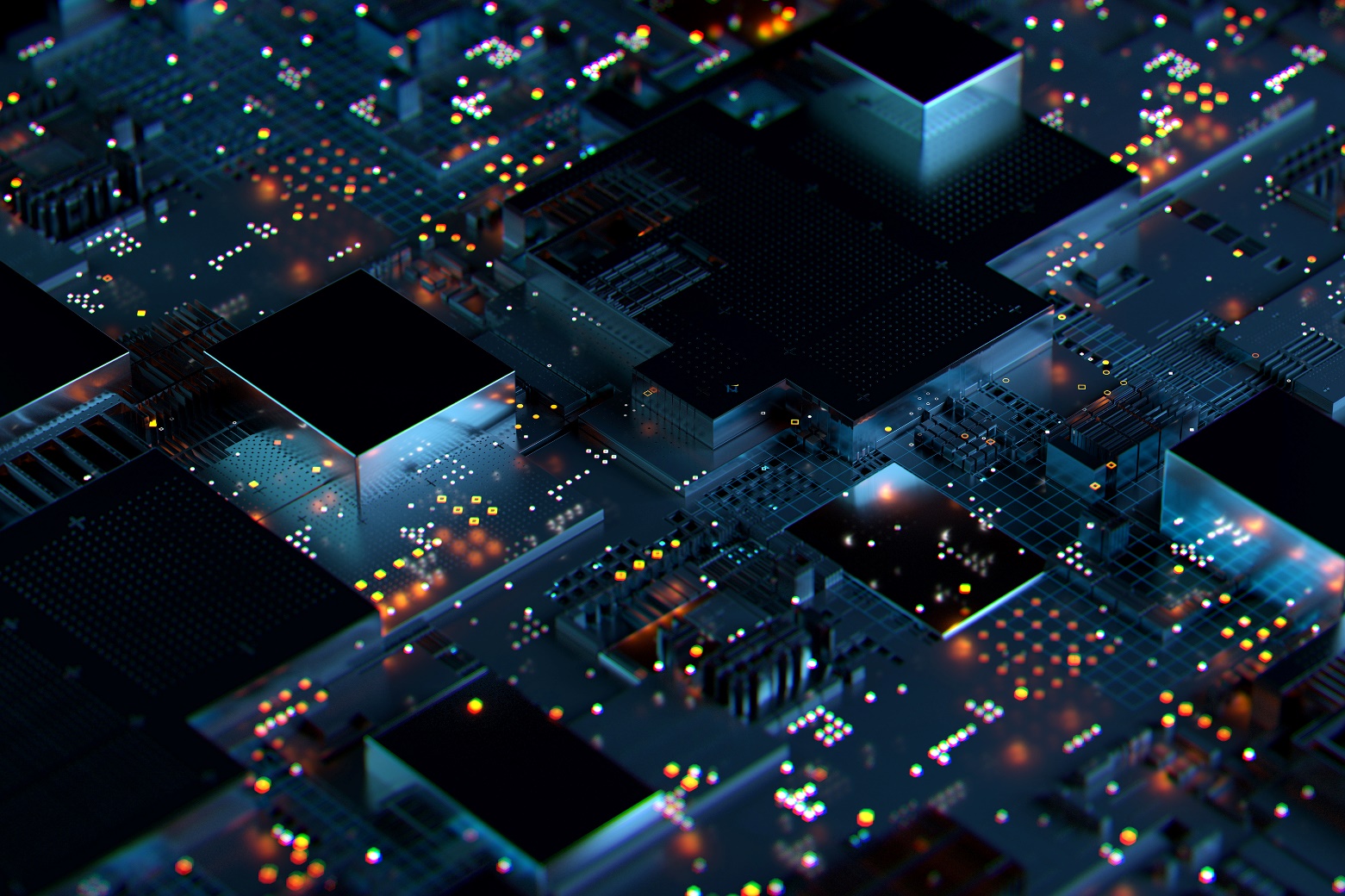
Emerging Trends Research

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Domain Driven Design

# Overview

**Domain Driven Design** (DDD) is currently a very popular topic among the software industry. Respectively quite a lot of companies implement this concept within their projects and the developers are expected to be fluent applying it.

My main goal for this research is to acquire more in-depth knowledge about DDD both theoretical and practical. I want to learn not only about the DDD concept itself, but also the way it fits in different types of projects. From my experience as a developer, I can say I have been in occasional situations where I use a particular technology/concept in a wrong way while thinking it was a “silver bullet” in software.

# Research

There are several main questions about this topic which are equally important for my research, so I can achieve my goal after completing the research.

To begin with, I need to understand the fundamentals behind this concept, answering the questions:

* What is Domain Driven Design?
* What are the advantages and the disadvantages of this concept?
* How to implement DDD in real-life project and how to benefit from it?
* In which cases should I apply DDD and in which not?

## Methods

A nice way to acquire theoretical knowledge is the **library research**. This way I can get into the basics of DDD. Searching for different trustworthy sources of information and investigating the **good and bad practices** is also a key part of the topic, so I can get knowledge how to use DDD properly and not misuse it eventually. A nice could-have is also an **expert interview** which can give me a clear perspective from someone with first-hand experience with DDD.

After collecting enough information, I may try to implement what I have already learned in a real-life project (**prototype**), where I can apply the DDD principles and achieve a practical justification to my research.

## Deliverables

At the end of the research possible deliverables could be:

* Research document, including detailed information about DDD.
* Small project to show what I have learned from the theoretical study.