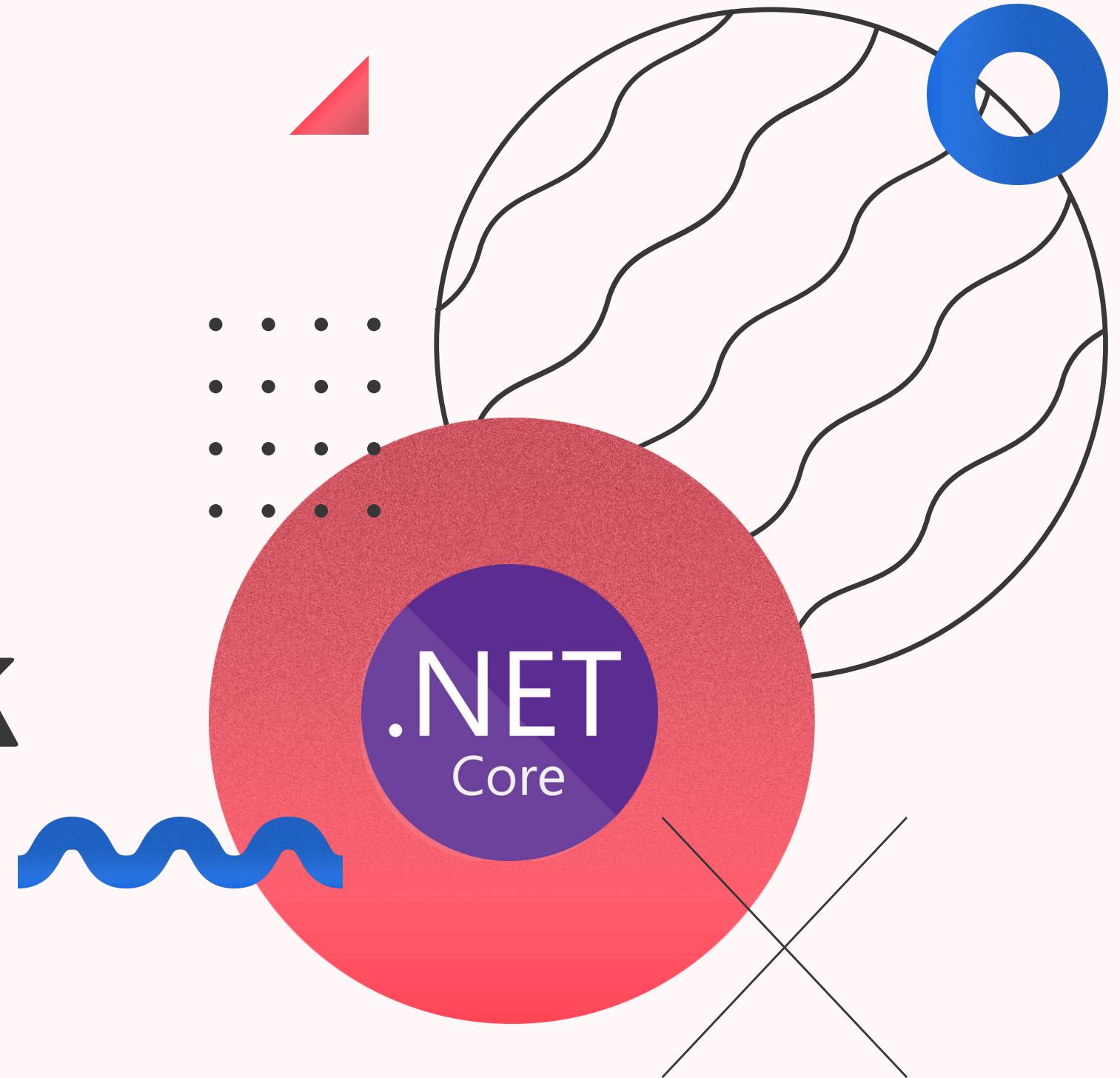


# Dapper VS Entity Framework



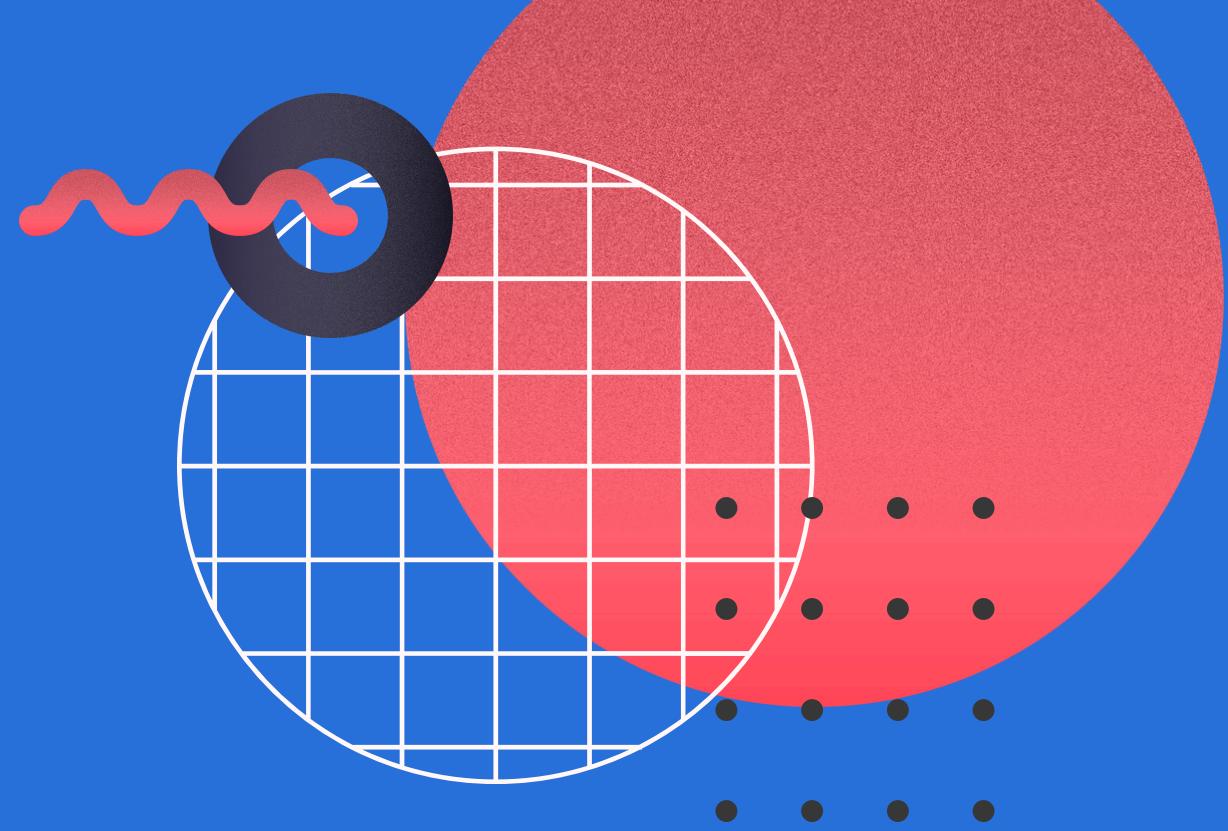
**Spencer Thomason**

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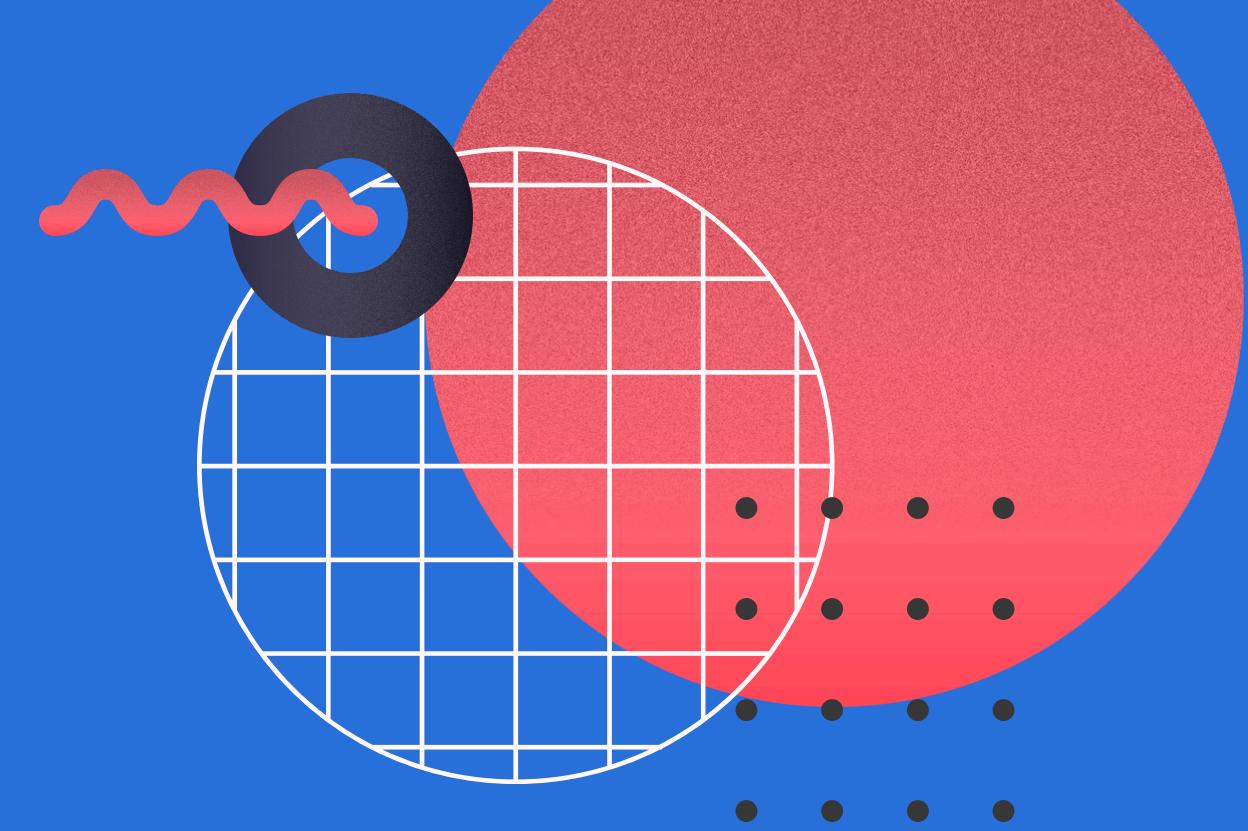
# Ease of Use and Learning

## Curve



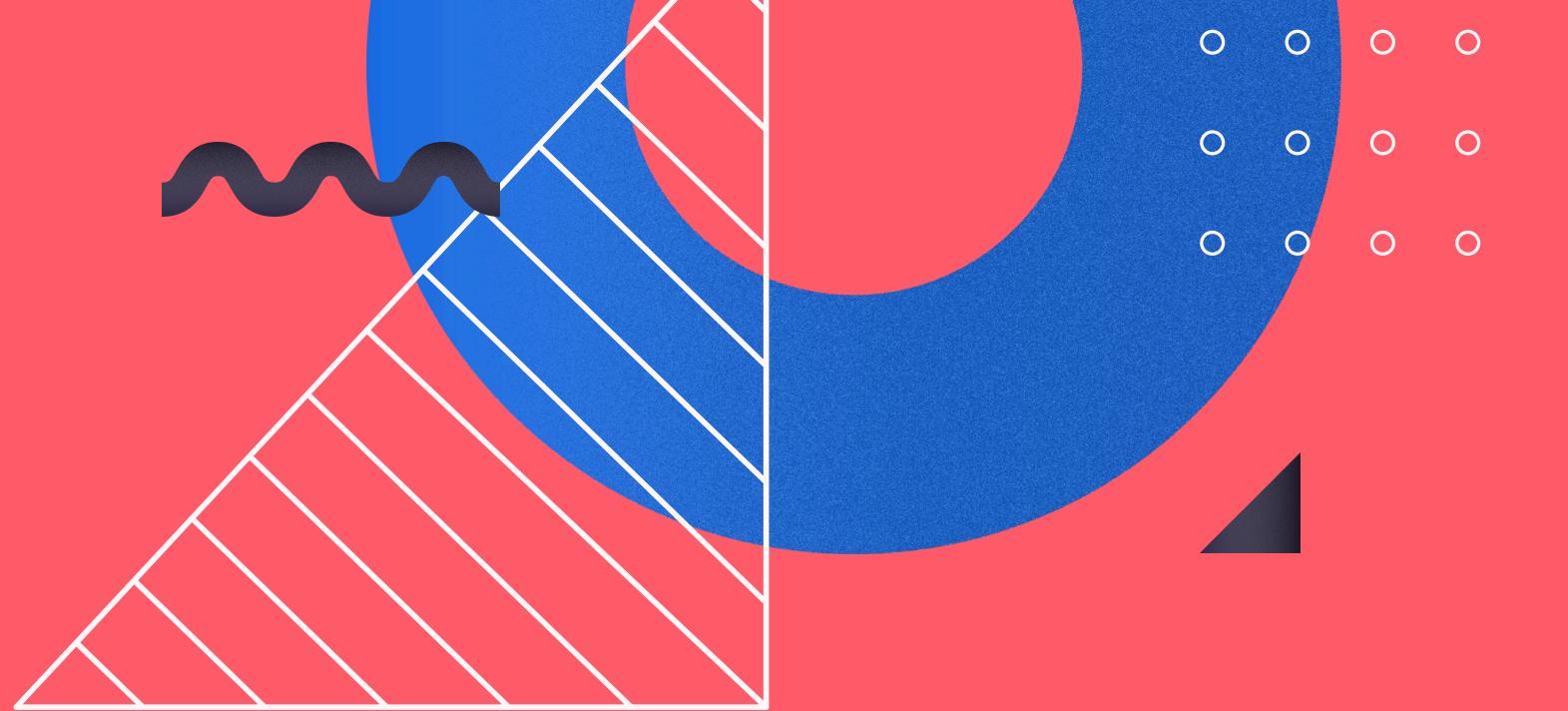
Entity Framework Core offers a more extensive and user-friendly experience, especially for beginners. It provides an abstraction layer that handles most of the database interactions for you. On the other hand, Dapper is a micro ORM, meaning it's lightweight and requires you to write your own SQL queries. This makes Dapper a bit more challenging initially but gives experienced developers more control over their database interactions.

# Performance and Speed



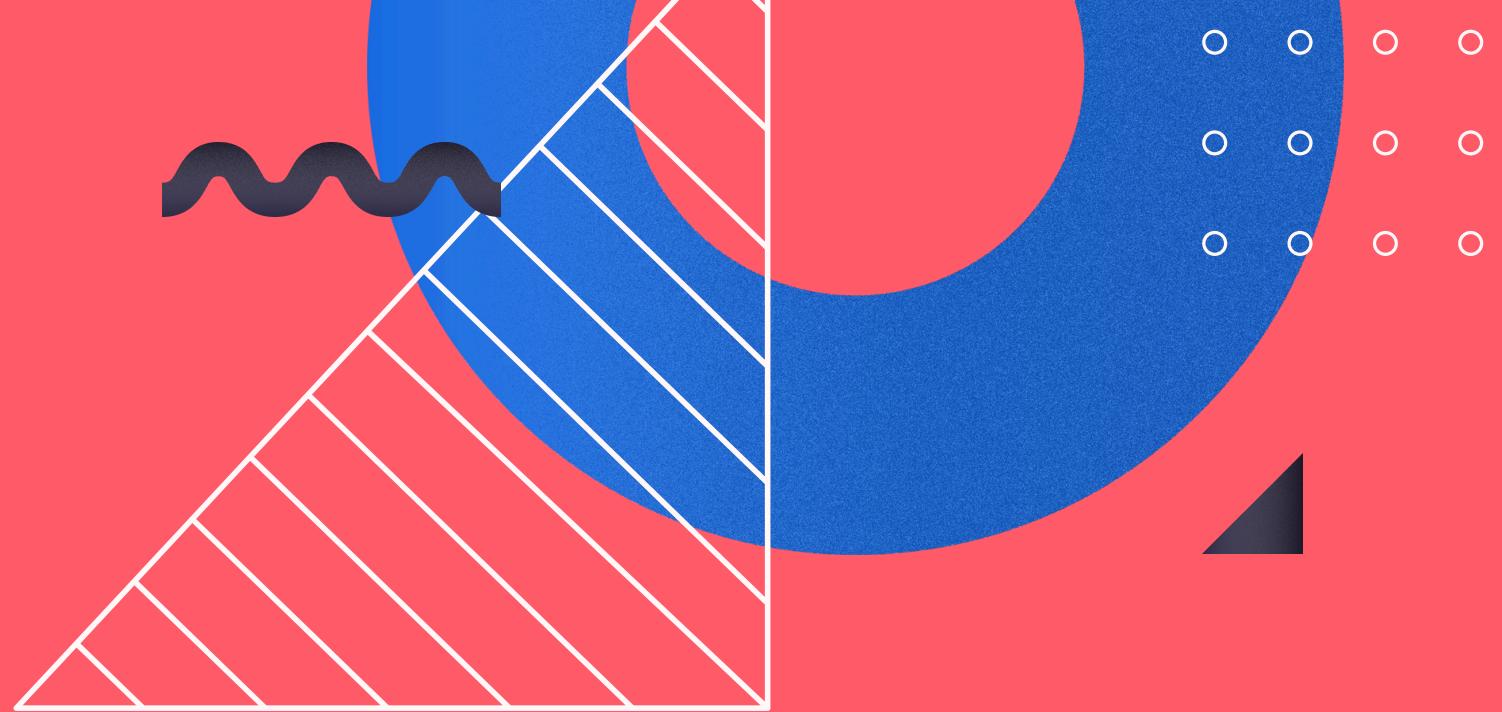
Dapper is renowned for its speed and efficiency. It's often faster than Entity Framework Core because it generates fewer SQL queries and optimizes data access patterns. Entity Framework Core, while slightly slower, provides a lot of conveniences and advanced features that can save time in development. The choice between the two often boils down to whether you prioritize raw performance or development speed.

# Flexibility and Control

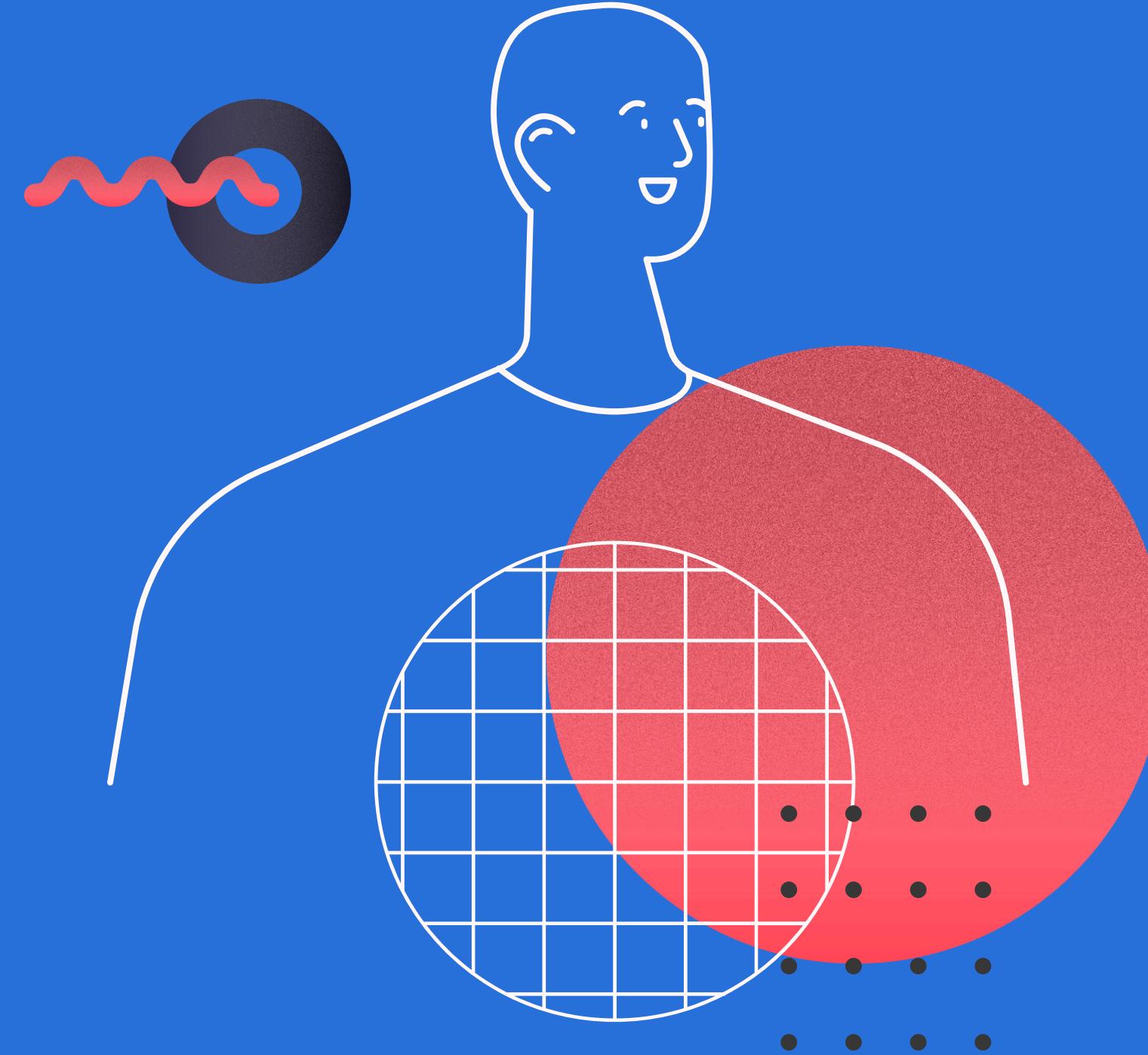


When it comes to flexibility, Dapper shines by allowing developers to write raw SQL queries. This means you can optimize your queries to fit specific needs, which can lead to better performance. Entity Framework Core, however, restricts you to using LINQ for queries, which, while powerful, can sometimes be less efficient. If you need fine-grained control over your database operations, Dapper might be the better choice.

# Feature Set and Capabilities

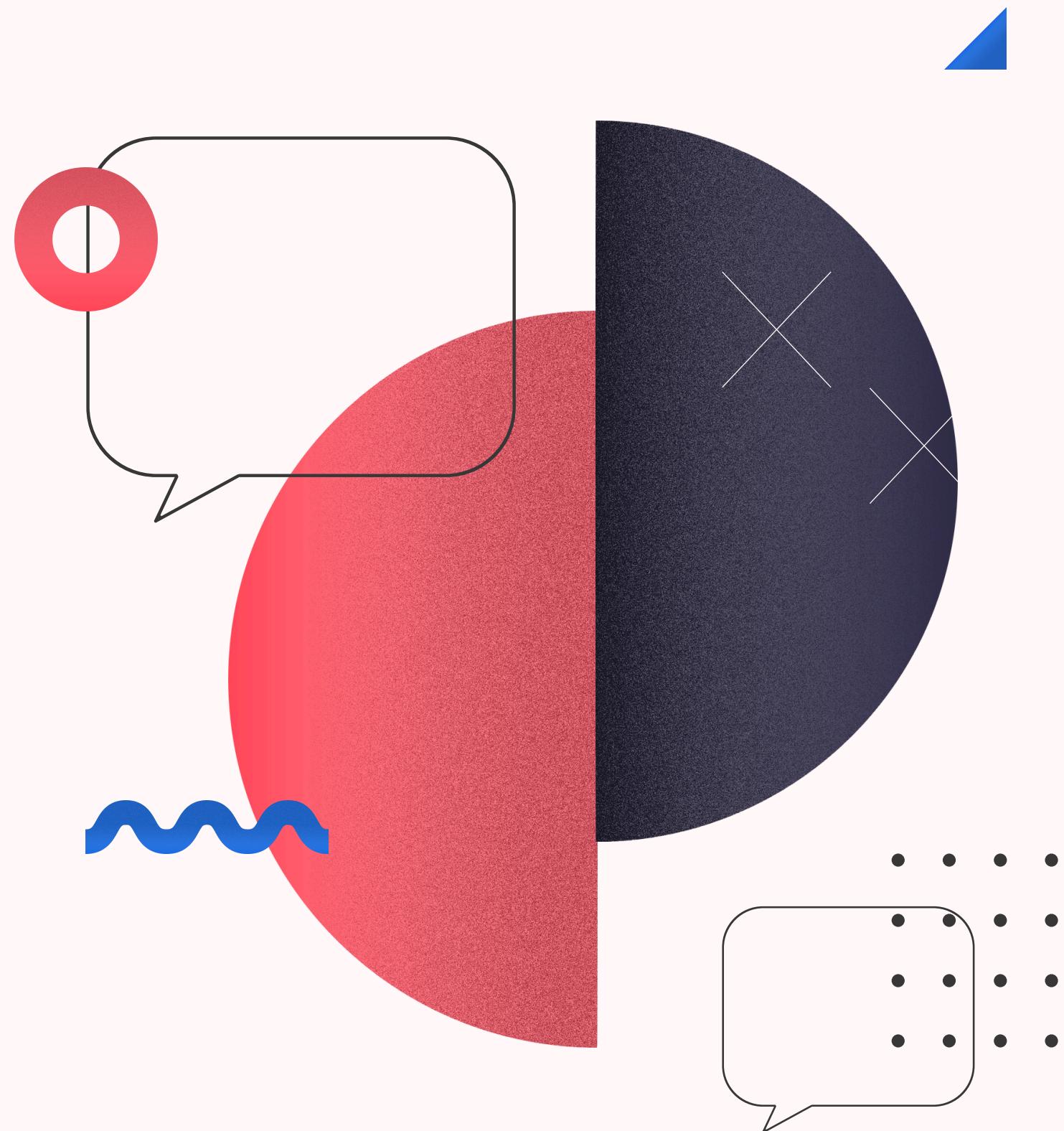


Entity Framework Core is packed with features like change tracking, complex mappings, and lazy loading. These features can significantly simplify the development process, especially for large applications with complex data models. Dapper, being minimalist, lacks many of these advanced features but excels in simplicity and direct data access. Your choice should depend on whether you need the extra features or prefer a straightforward approach.



## Community and Support

Entity Framework Core benefits from strong community support and extensive documentation, making it easier to find solutions and best practices. Dapper, while also supported by a passionate community, has less official documentation and fewer built-in tools. However, its simplicity often means you can solve problems with straightforward SQL knowledge. Consider the level of community support and resources available when making your decision.



## Code Samples

# Thank you