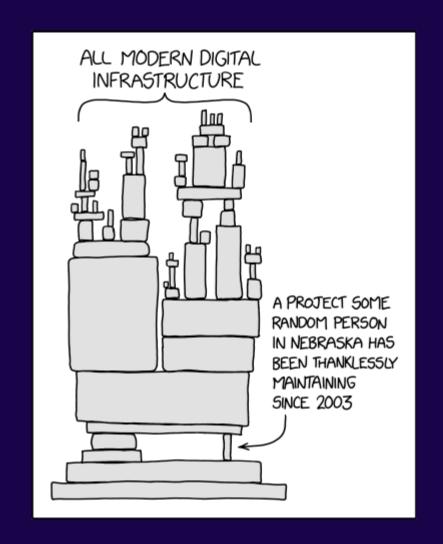
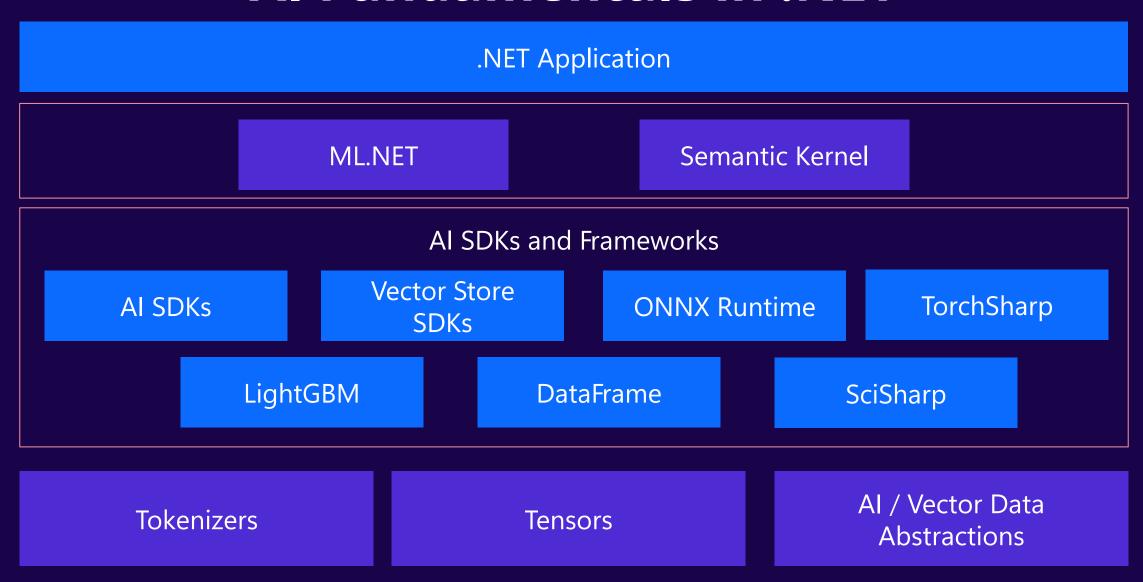
Al Fundamentals in .NET

Tarek Sayed, Principal Software Engineer Tanner Gooding, Senior Software Engineer Luis Quintanilla, Senior Product Manager

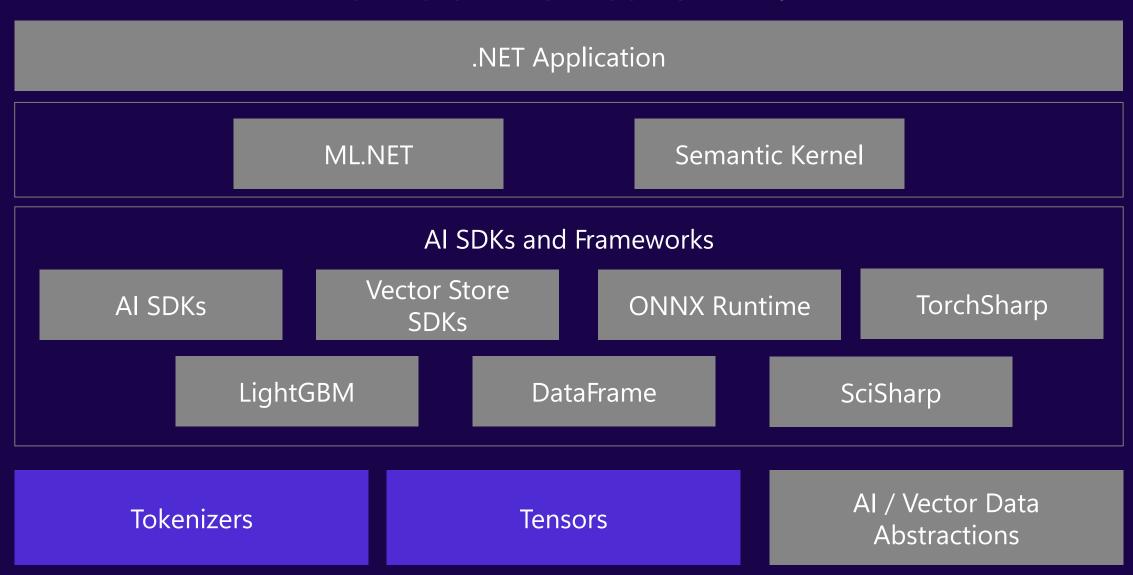




Al Fundamentals in .NET



Al Fundamentals in .NET



New in .NET 9

Tokenizers

- Tiktoken
 - GPT (3,3.5,4,40,01)
 - Llama 3
- SentencePiece
 - Llama 2
 - Mistral
- Codegen
 - Phi 2
 - Codegen
- WordPiece
 - BERT-based models

TensorPrimitives

- Nearly 200 overloads for mathematical operations
- SIMD-optimized for better performance.
- Generic overloads

Tensor<T> (Preview)

- Built on top of TensorPrimitives
- Seamless interop between
 Al librariex
- Easy and efficient data manipulation of multidimensional data



Get.NET 9



Resources

Docs: aka.ms/dotnet/ai/docs

Samples: aka.ms/dotnet/ai/samples

Thank you

