



# THAT<sup>®</sup>

## CONFERENCE



# All About C# Source Generators

By Shawn Wildermuth



@shawnwildermuth

SPECIAL THANKS TO ALL OUR AWESOME CAMP SPONSORS!

*Unspecified*

 **HEARTLAND**  
BUSINESS SYSTEMS

 **CLOUDFLARE**

**DATASTACK**

 Temporal



**PROPELAUTH**



**PIECES**  
FOR DEVELOPERS



**redgate**



**MESCIUS**  
FORMERLY GRAPECITY, INC.

 **AWS Amplify**



# > Who Am I?



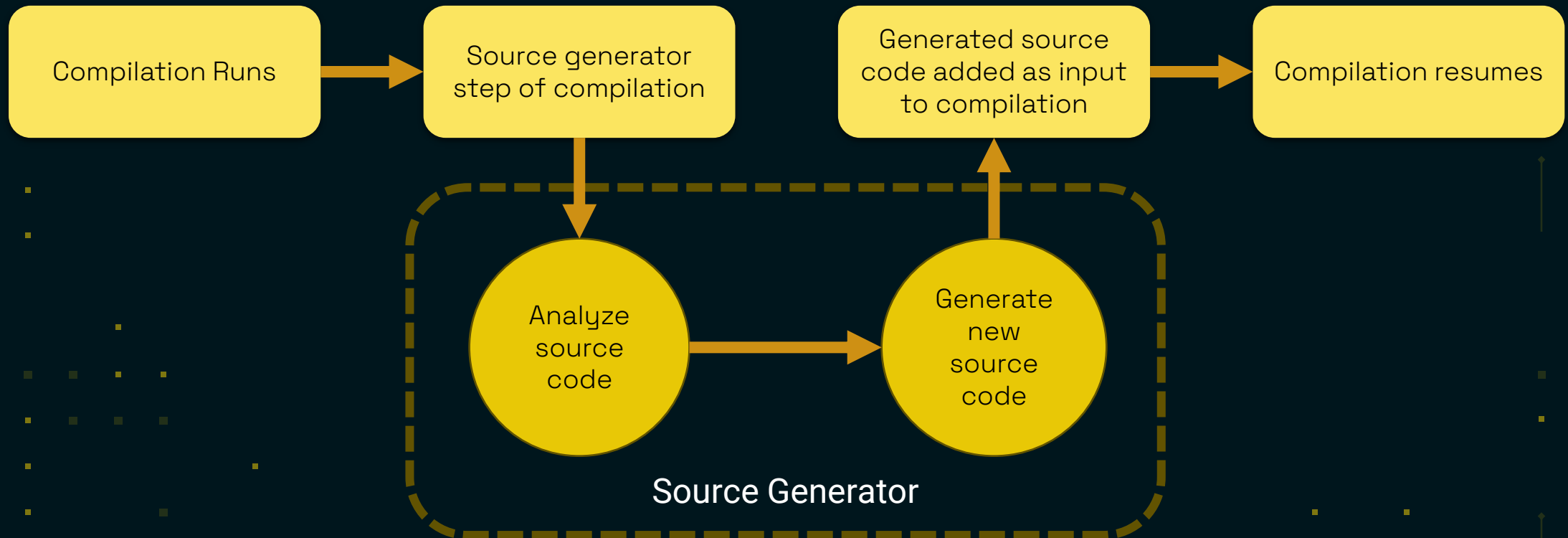
**Microsoft MVP,  
Docker Captain,  
Instructor and  
Consultant**



@shawnwildermuth

# > What is a Source Generator?

A Feature of Roslyn



@shawnwildermuth

# > Why Source Generators?

An alternative to Reflection



Moves CodeGen  
to Compile-time



Unblocks AOT  
Trimming



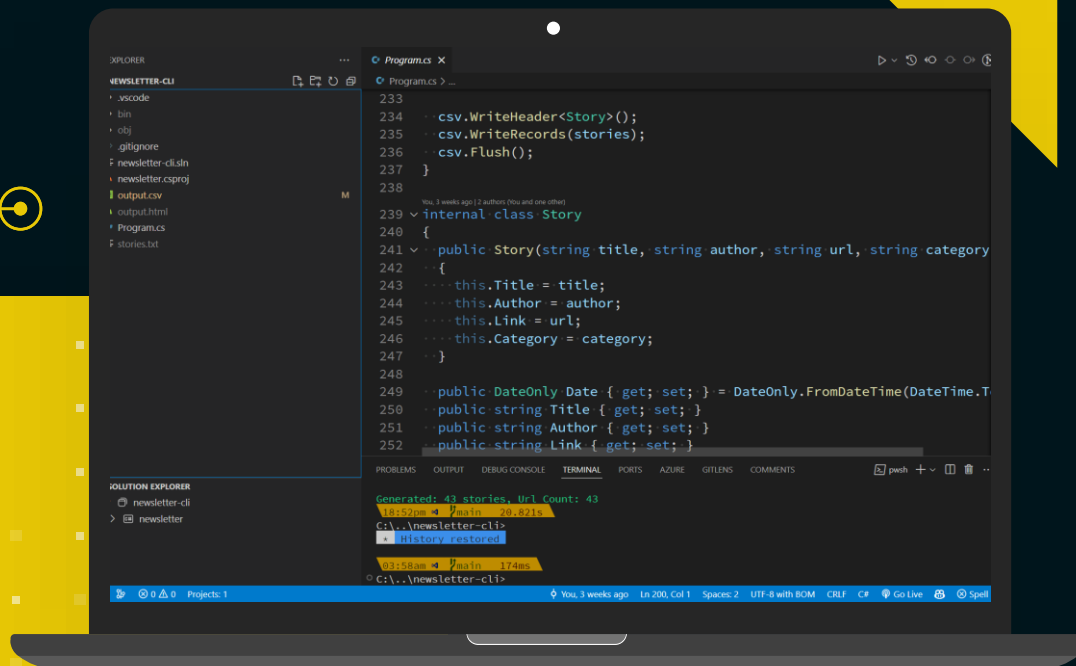
CodeGen is  
Code



Better  
Tooling



@shawnwildermuth



# The Demo

Let's write some code!



@shawnwildermuth

# > Questions?



@shawnwildermuth



## › Take-aways

- » **Source Generators on MS Learn**
  - » [shawnl.ink/net-source-generators](https://shawnl.ink/net-source-generators)
- » **YouTube**
  - » [shawnl.ink/yt](https://shawnl.ink/yt)
- » **Pragmatic Architecture for .NET Core Workshop**
  - » [shawnl.ink/arch-workshop](https://shawnl.ink/arch-workshop)
- » **Minimal API Discovery**
  - » [shawnl.ink/minapidiscovery](https://shawnl.ink/minapidiscovery)

Any sufficiently advanced technology is indistinguishable from magic..

- *Arthur C. Clarke*



@socialmedia



THANK YOU

Shawn Wildermuth