



PowerShell Conference Europe

Next Up:

Andree Renneus

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PowerShell Conference Europe

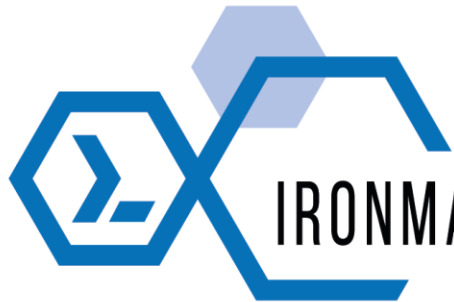
Creating My First C# Module: Lessons Learned

Andree Renneus

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IRONMAN SOFTWARE

KNOWLEDGE
FACTORY



SynEdgy



PSCONF EU SPEAKER

Andrée Rennéus

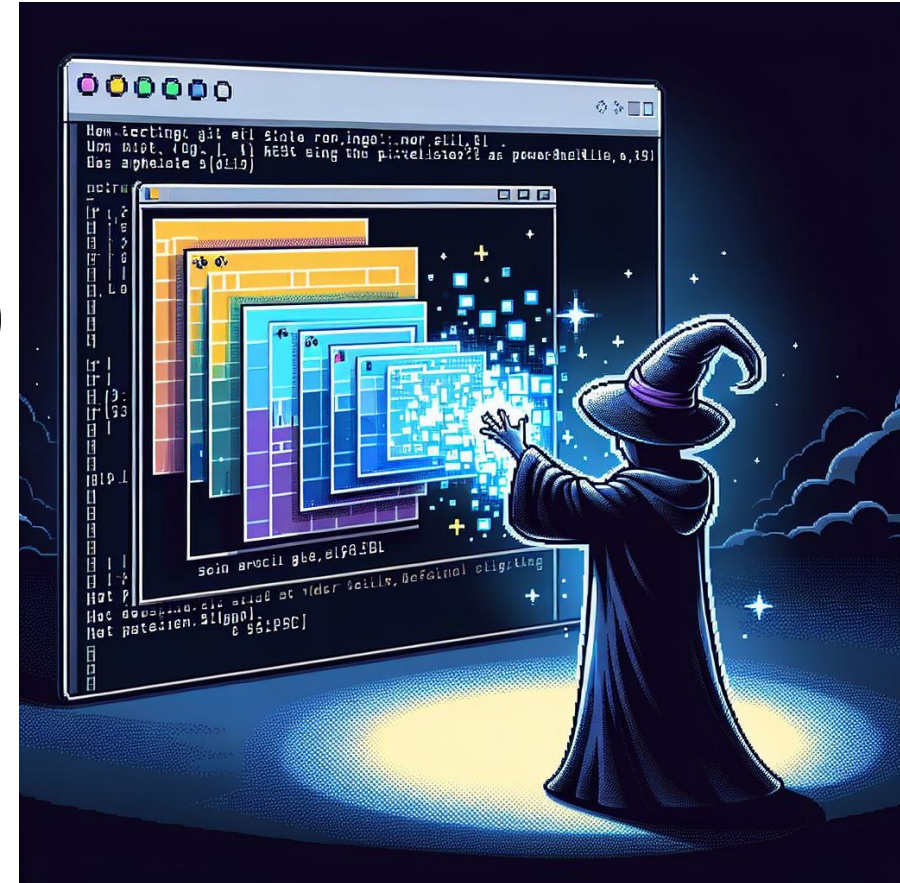
- Cloud / Datacenter Consultant at Atea
- From Malmö
- trackd on github/Powershell Discord
- Interest
 - PowerShell
 - (Home) Automations
 - Shiny terminal things

Background

- PwshSpectreConsole
- Collaboration
- Beginner C#

ImageProtocols

- Sixel
- InlineImageProtocol (item2)
- Kitty Graphics
- Blocks



Demos



Goals of this talk

- Spark curiosity about C# module development
- Show it's doable—even as a beginner.
- Share beginner-friendly lessons and pitfalls
- Lower the barrier to getting started

Why C#?

- Learn
- Performance
- Optimization
- ALC

Ecosystem

- Nuget
 - 457 797 packages
 - PSGallery 14 180 packages
- Analyzers / coderefactors
- Copilot / LLM's

Module

- Choices
- Cmdlets
- 5.1 support

Challenges

- Performance (Conversion, Gif)
- Terminal detection
- Terminal capabilities
- Console Image size (gif)



Prototyping

- Prototyping in Powershell
- ClassExplorer Module
- VSCode (C# Dev kit)

Demos



Tips

- Add-Type, Hybrid Module, Cmdlet
- [github/powershell](#)
- [Creating your first PowerShell module in C# - Emanuel Palm, Justin Grote - PSConfEU 2023](#)
- [Deep Dotnet - Scott Hanselman and friends](#)
- [Stephen Toub - Performance Improvements](#)
- [ILSpy](#)

Q&A

15 minutes

