GitHub Copilot e .NET: progettare un repository per lo sviluppo agentico

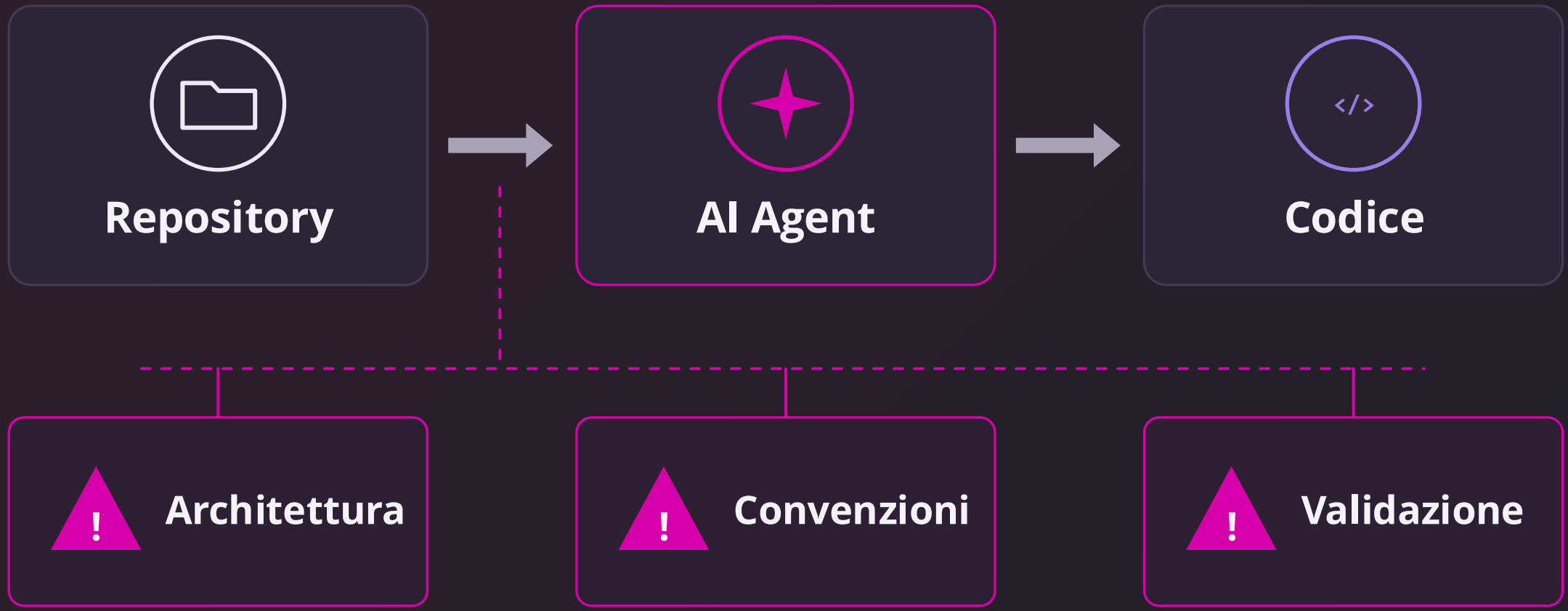
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aspitalia.com

Lodestar
IT'S TIME TO INNOVATE

.NET Conference
Italia 2026

Codice ≠ Contesto

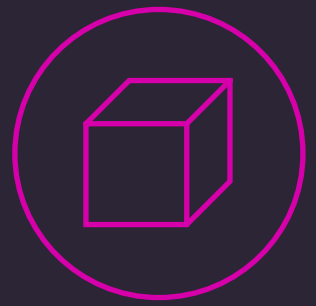


Agent-ready Repository



CONTEXT

Instructions · Docs · Skills



ENVIRONMENT

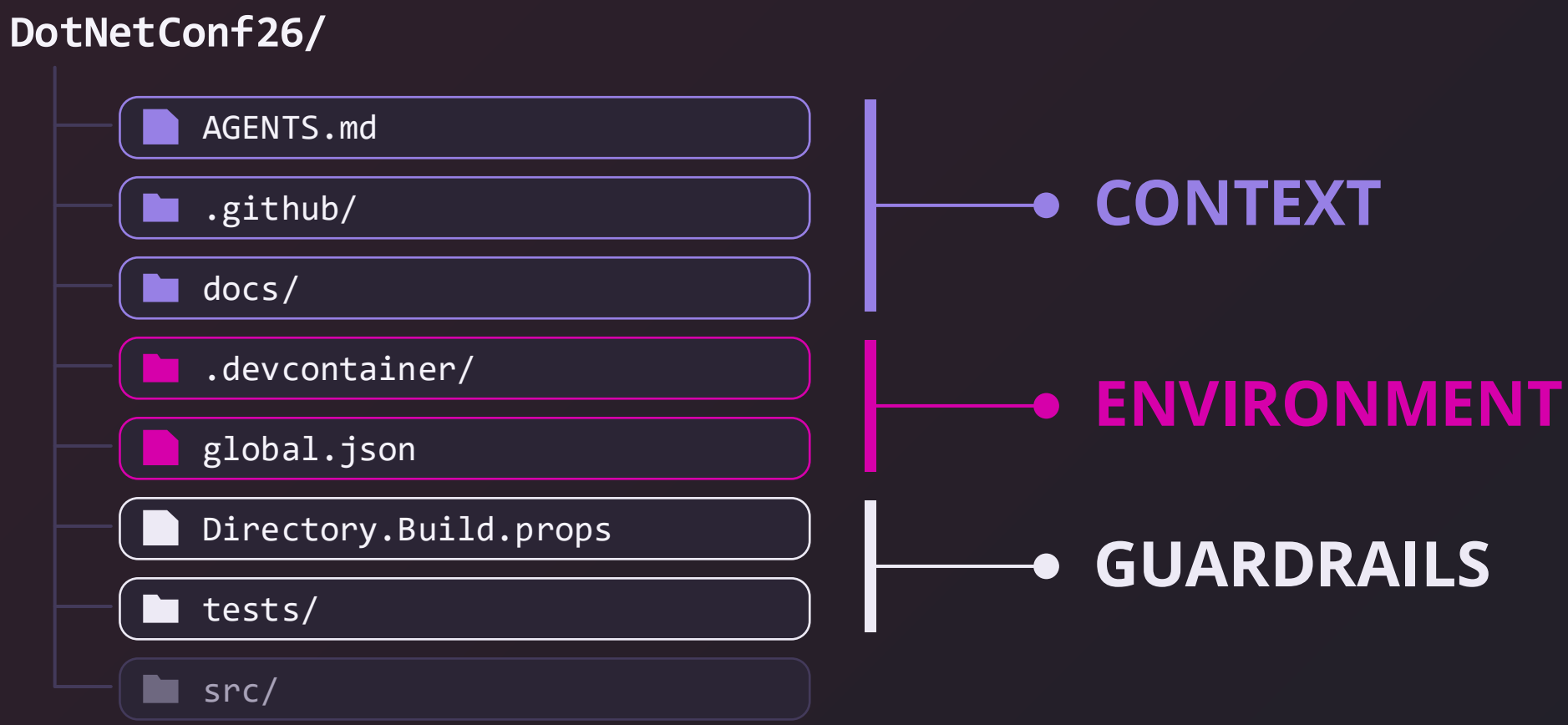
SDK · Dev Containers · Tools



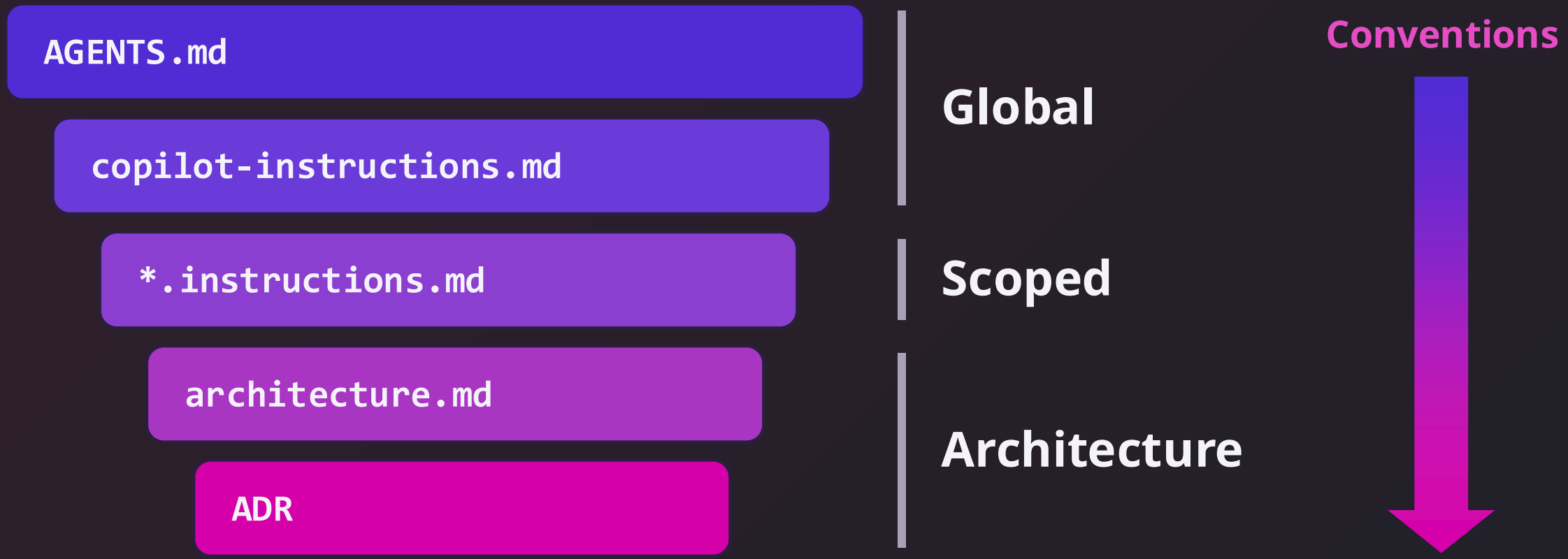
GUARDRAILS

Build · Tests · Architecture

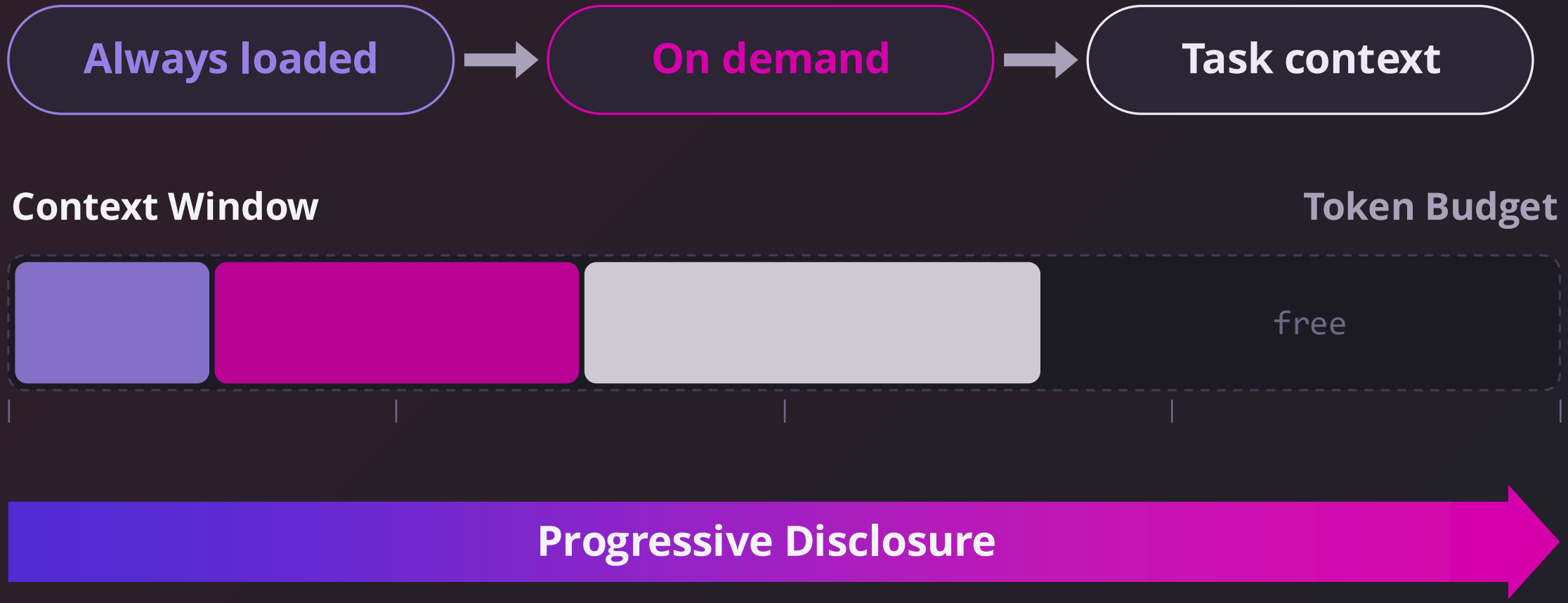
Repository Anatomy



Instructions



Context Engineering



Reproducible .NET

.NET 11

global.json




```
"sdk": { "version":
    "11.0.x" }
```

SDK

.editorconfig




```
[*.cs]  indent_size = 4
```

Style

dotnet-tools.json




```
"tools": { … }
```

Tools

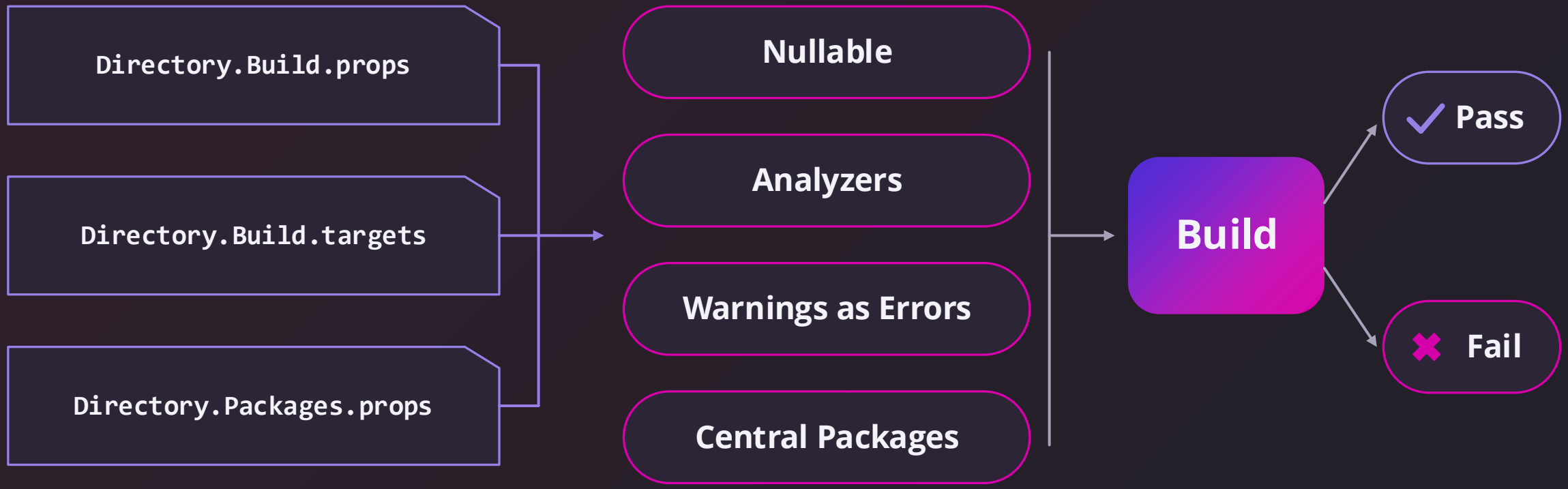
Directory.Packages.props



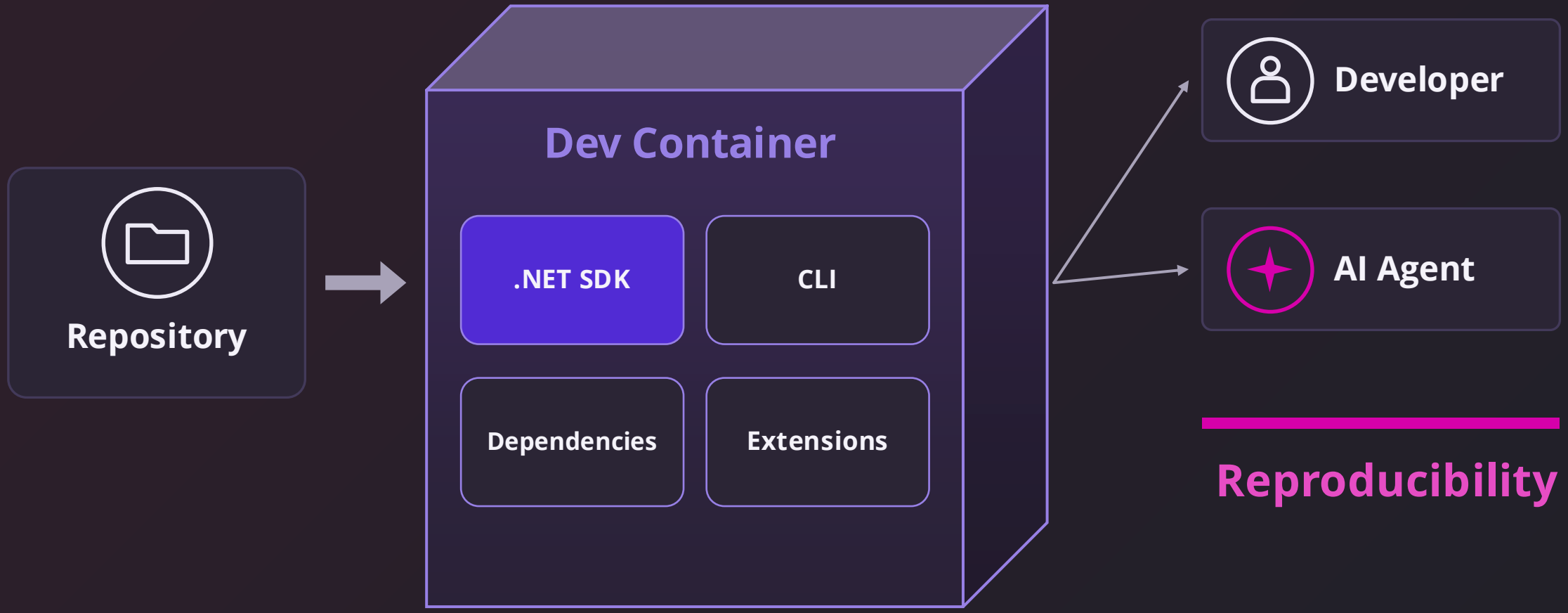
```
<PackageVersion … />
```

NuGet

Build Rules


Directory.Build.props
Directory.Build.targets
Directory.Packages.props
Nullable
Analyzers
Warnings as Errors
Central Packages
Build
Pass
Fail

Dev Containers

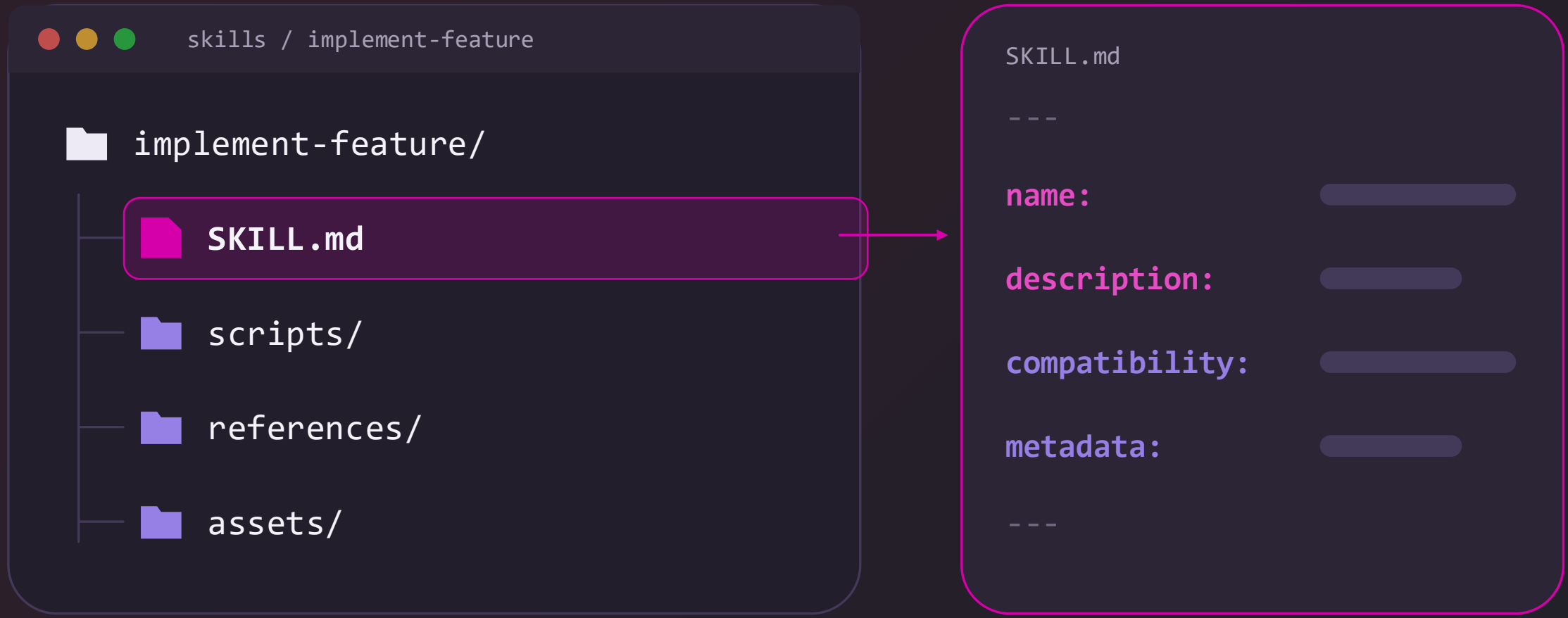


Demo

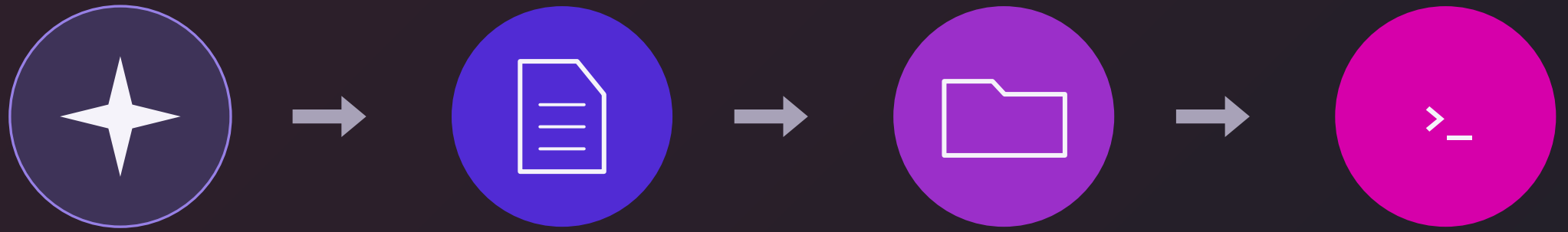
From Repository to Agent-ready

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Agent Skills



Skills Lifecycle



Discovery

Metadata

Activation

`SKILL.md`

Resources

On demand

Execution

Tools

Skills over MCP **PREVIEW**

Agent Skills: dove trovarle?

MICROSOFT / OFFICIAL

`github.com/dotnet/skills`

`github.com/microsoft/skills`

.NET · ASP.NET · MSBuild · Testing · Azure SDK

COMMUNITY

`skills.sh`

GitHub Repositories

Agent Plugins

Workflow · Frontend · DevOps · Security

EMERGING

NUGET PACKAGES

`SKILL.md` nei pacchetti

Version-aligned Skills

`dotnet-inspect`

`dotnet-package-skills`

DISCOVER & INSTALL

VS CODE
Customizations · Browse

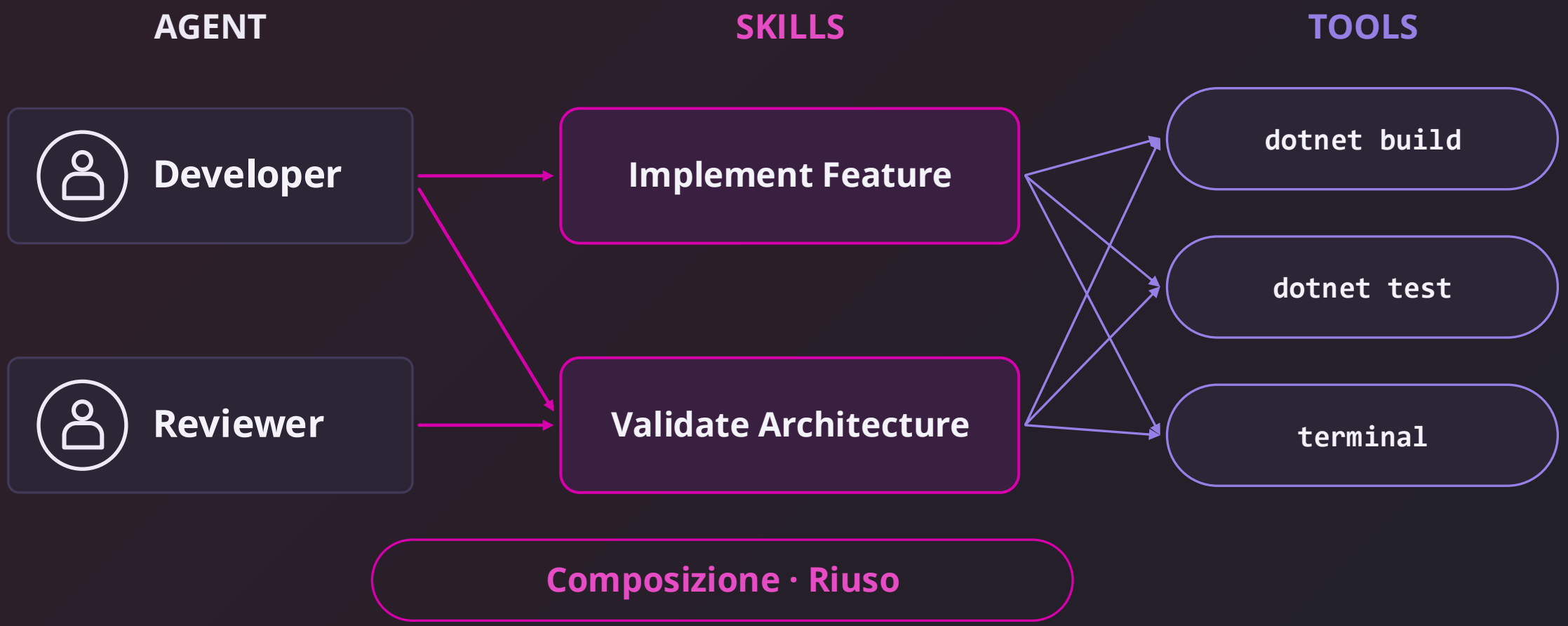
GITHUB / COPILOT
Plugins · Marketplace

SKILLS CLI
`npx skills`

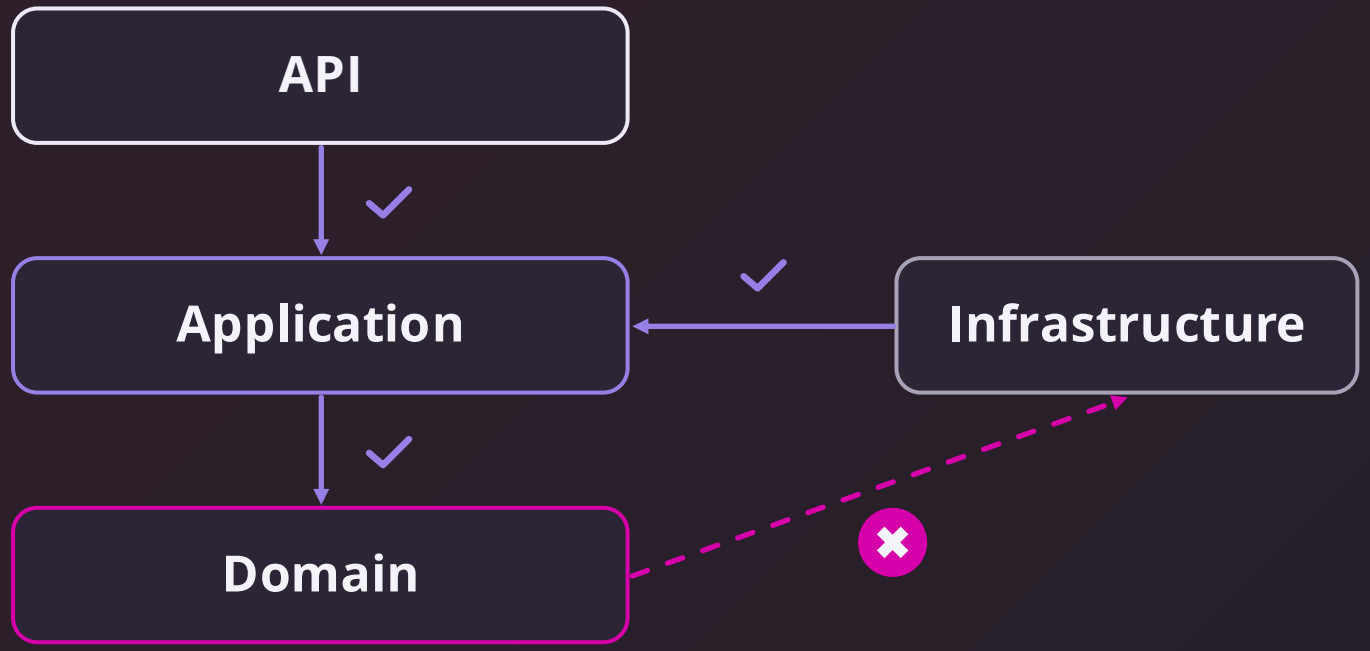
NUGET
`dotnet-inspect`

API · BUILD · TEST · DATA · CLOUD · CUSTOM

Skills + Agents



Trust, but Verify



- ✓ Unit Tests
- ✓ Integration Tests
- ✓ **Architecture Tests**
- ✓ Build

Instructions → **Rules** → **Tests**

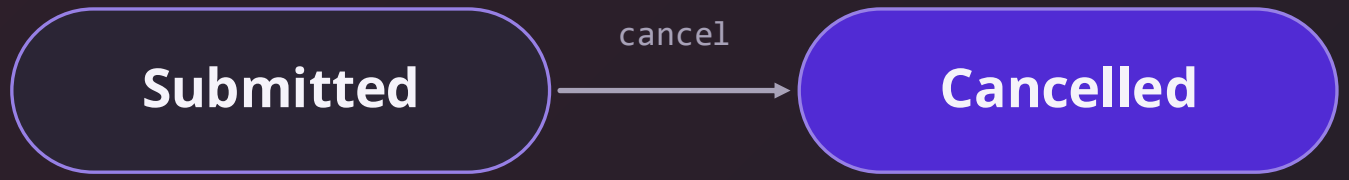
Demo

From Repository to Agent-ready

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Orders API

POST `/orders/{id}/cancel`



200	Success
404	Not Found
409	Conflict

Implement → Test → Validate → **Review**

Agent-ready = Engineering



UNDERSTAND

Instructions



EXECUTE

Environment



REUSE

Skills



VERIFY

Tests

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Slide e codice
https://github.com/Ricciolo/DotNetConf26

Slide e materiale su
https://aspit.co/netconf-26



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