

Kirill Osenkov

Principal Software Engineer at Microsoft · .NET developer tools since 2004

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EXPERTISE

- .NET, C#, Roslyn, MSBuild, Visual Studio, editors, WPF, MEF
- Developer productivity, build observability, engineering systems
- Author and maintainer of widely used open source developer tools

MICROSOFT · 2007–PRESENT

Azure Data Fabric Engineering Systems

2024–2026

DevOps, developer productivity, security, modernization

- Migrated a 1200-project build to modern MSBuild — incrementality and robustness
- Binlogs everywhere for build observability
- Wrote and integrated BinaryCompatChecker to catch binary compatibility issues at build time
- Wrote and integrated Beetle to investigate test failures across 100,000 machines
- Maintained il-repack, MSBuild binlog viewer and other open source
- An ocean of small improvements across the board, coaching and knowledge sharing

Power BI — Reporting and Exploration

2023

- Numerous build fixes and improvements
- Improvements to the MSBuild binlog viewer and BinaryCompatChecker
- Rewrote most T4 templates using Roslyn source generators

Developer Division

2007–2022

SDET, SDE → Principal SDE. Mission: making .NET developers worldwide more productive.

Visual Studio for Mac — Core/Editor

2017–2022

- Integrated the VS editor, Roslyn and web tools (HTML, CSS, JS/TS), shared between VS and VS for Mac
- Quality, reliability and performance

MSBuild

2017

- Invented and shipped MSBuild binary logging and the [MSBuild Structured Log Viewer](#)
- Used by tens of thousands of developers worldwide to diagnose MSBuild issues

CodeFlow

2015–2016

- Maintained and improved Microsoft's internal code review app for 25,000 users company-wide

Managed Languages (C#, VB, F# IDE)

2007–2014

- Shipped and open-sourced Roslyn — the new C#/VB compiler and IDE services
- Set up test infrastructure, ensured Roslyn quality, found ~2000 bugs

- Ensured Roslyn is not dependent on VS and can be hosted anywhere; built EditorTestApp, a lightweight managed IDE hosting Roslyn services outside VS
- Patent: a testing DSL for calling APIs
- Created a novel Roslyn-based online source browsing experience: source.dot.net, referencesource.microsoft.com, sourceroslyn.io

Microsoft Internships

2005–2006

- Two summer internships as SDET in VS Team Architect (DSL Tools)

EDUCATION

M.Sc. in Computer Science

2003–2007

Brandenburgische Technische Universität Cottbus, Germany

- Thesis: "[Designing, Implementing and Integrating a Structured C# Code Editor](#)"

Born and raised in Kharkiv, Ukraine · osenkov.com