

Outpace your competition with the help of AI across workflows



AI is reshaping the tech industry at breakneck speed, and organizations that don't adapt risk falling behind. Success still depends on a strong cloud foundation, high-quality data at scale, and continuous practices. Today, the growing maturity of AI and intelligent agents supports every stage of custom software development. What began with GitHub Copilot has evolved into a full spectrum of capabilities across the intelligent cloud — giving technical teams the tools to think bigger, move faster, and deliver smarter.

"Everything is possible. But with AI agents, it's just **faster and simpler.**"

Xavier Portillo Edo
Head of Cloud Infrastructure
Voiceflow

AI agents are rewriting the rules of productivity

46%

of leaders report that their companies **use agents** to automate workflows or processes.¹

43%

already **leverage multi-agent systems** to collaborate on goals or execute complex workflows.¹

81%

of leaders say they expect AI agents to be **moderately or extensively integrated into their company's strategy** in the next 12-18 months.¹

¹The 2025 Annual Work Trend Index: The Frontier Firm is born — The Official Microsoft Blog

Overcoming today's barriers

As the demand for faster, more complex software grows, many organizations are still bogged down by business challenges that hinder innovation strategies.

Development inefficiencies

Manual tasks and workflow friction slow down releases and drive up costs.

Fragmented tools

Switching between platforms and interfaces drains time, splits attention, and increases the risk of errors.

AI uncertainty

Models and data constantly evolve, leaving teams uncertain about which solutions will remain effective over time.

Incident response gaps

Teams struggle to adapt to changes quickly enough, hurting uptime and satisfaction.

Enhance delivery speed with AI-assisted development

Fortunately, Azure AI assistance can help you overcome these obstacles, with a range of tools that keep projects moving smoothly and reliably throughout the development lifecycle.

Development stage

How the Azure platform can help you

Stage 1 Kick off and ideate



GitHub Spark: Your creative catalyst

Jumpstart the earliest stage of development with agentic ideation and planning. Visual collaboration tools keep teams aligned from day one, making it easy to move from concept to code without losing momentum.

Stage 2 Unify data and unleash knowledge



Microsoft Fabric: Your data unifier

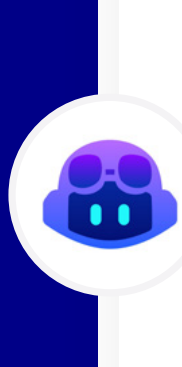
Streamline data discovery by unifying, transforming, and activating all your data in one place. Fabric consolidates disparate sources into a single, centralized platform, making it easy to access, utilize, and update data while empowering teams to build confidently with AI.



Azure Databases: Your shortcut to reliable data

Fuel your projects efficiently with scalable, high-performance storage that lets you access and manage data quickly, while built-in automation reduces setup and maintenance time. Secure by design, your data stays protected without slowing development.

Stage 3 Select, customize, and develop models



Microsoft Foundry: Your agent factory

Get started quickly with enterprise-ready models that scale, proven templates, and pre-built agents, all integrated into your existing development workflow. Customization is simple, and security, safety, and privacy are built into every stage of the process.

Stage 4 Build, code, and test applications



GitHub Copilot: Your AI teammate

Streamline your entire development workflow — from creating issues and writing specs to coding, testing, reviewing, scanning, and deploying. GitHub Copilot orchestrates tasks across the lifecycle to boost velocity and reduce manual effort with intelligent, context-aware assistance.

Stage 5 Provision and optimize resources



Azure Copilot: Your cloud navigator

Now supporting the full cloud operations lifecycle, Azure Copilot features specialized agents for migration, deployment, observability, optimization, resiliency, and troubleshooting. Streamline deployment and optimization with natural language provisioning, real-time monitoring, and built-in governance. Scale resources efficiently while keeping security tight from the start.

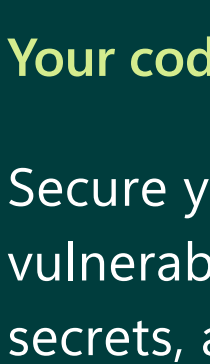


SRE Agent: Your nightshift responder

Reclaim your nights and weekends from on-call alerts with an always-on AI agent monitors, learns, and collaborates to maintain service uptime. Site Reliability Engineering (SRE) Agent analyzes logs and metrics for rapid diagnostics, helping you maintain service uptime, reduce operational costs, and free engineers to focus on more impactful work.

Shift left with full-lifecycle security

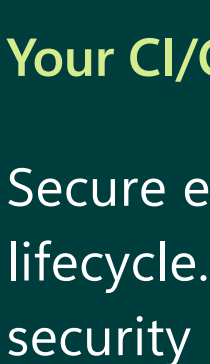
Safeguard your organization at every stage of development with comprehensive security that spans code, infrastructure, and deployment.



GitHub Advanced Security

Your code's security guard

Secure your code by detecting vulnerabilities, scanning for exposed secrets, and managing supply chain risks directly within the GitHub workflow.



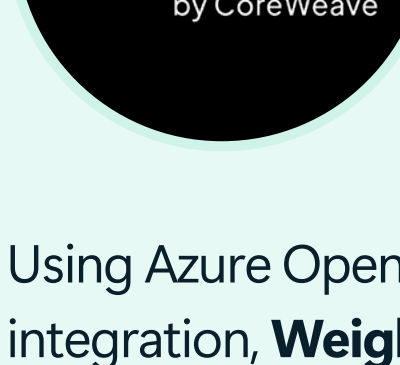
Azure DevOps

Your CI/CD maestro

Secure every stage of your software lifecycle. Azure DevOps embeds security into CI/CD pipelines with proactive threat modeling, automated vulnerability detection, and continuous compliance. Align development, operations, and governance to reduce risk without slowing innovation.

AI-enhanced development in action

See how teams are breaking down barriers and enabling swift innovation with Azure.



Using Azure OpenAI and native Azure integration, **Weights & Biases** is streamlining AI development for teams across industries, from drug discovery to computer vision. Developers can now launch environments, fine-tune models, and evaluate LLM-powered apps directly within Azure, reducing friction and accelerating iteration.

The result: faster experimentation, smarter automation, and a more seamless path from prototype to production. By embedding AI into every layer of the stack, W&B is helping developers **move faster, collaborate better, and scale innovation** with confidence.

[Read the story](#) →



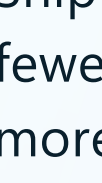
Pacers Sports & Entertainment used Microsoft Foundry to build a custom live captioning solution that delivers real-time captions in its arena and mobile app. With Microsoft Foundry and Azure Functions, the team trained models, reduced training time by **99.97%**, and deployed quickly — removing hurdles that typically slow development.

The result: captions with just a **1.14%** error rate and a foundation for future AI-powered fan experiences.

[Read the story](#) →

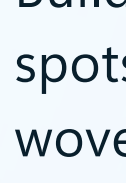
Your intelligent cloud

Azure transforms how you work, placing AI at the core of your processes and enabling agents to collaborate alongside your teams.



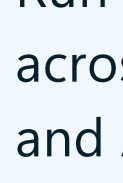
Agility

Ship faster with fewer handoffs and more confidence in your releases.



Security

Build without blind spots, with protection woven into every stage of development.



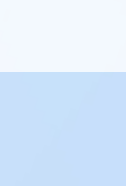
Intelligence

Run more efficiently across infrastructure, data, and AI, with intelligent tools that cut waste and keep costs under control.



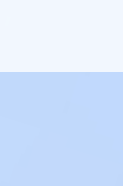
Visibility

Get a clear view of the full development lifecycle and the ability to act before issues turn into outages.



Flexibility

Build your way — open-source ready, cloud optimized, and endlessly adaptable.



Scalability

Go from prototype to planet-scale with autoscaling and intelligent resourcing.

Looking for a faster path to AI innovation?

Keep pace with a rapidly evolving digital world while protecting data and preserving trust. Explore more Azure resources to learn how to turn bold ideas into reality — fast.

→ [Discover Azure](#)

Jumpstart your journey with access to funding, trusted experts, and industry-leading partners.

→ [Azure Accelerate](#)

Streamline your development journey from code to cloud.

→ [Read the e-book: Achieve Continuous Innovation with Connected Lifecycles on Microsoft Azure.](#)