



Increase Developer Velocity with Microsoft Tools and Cloud



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Erika works at Microsoft and she is focused on <u>Application Development</u> with Azure.

Erika and her team create technical content, demos, customer stories, messaging, and keynote narratives to showcase the latest Microsoft product announcements that help every developer build end-to-end applications with Visual Studio, GitHub, and Azure.

Erika and her team also lead the Thought Leadership GTM for <u>Developer Velocity</u> which highlights how critical it is for every organization to empower developer teams.

ORGANIZATION



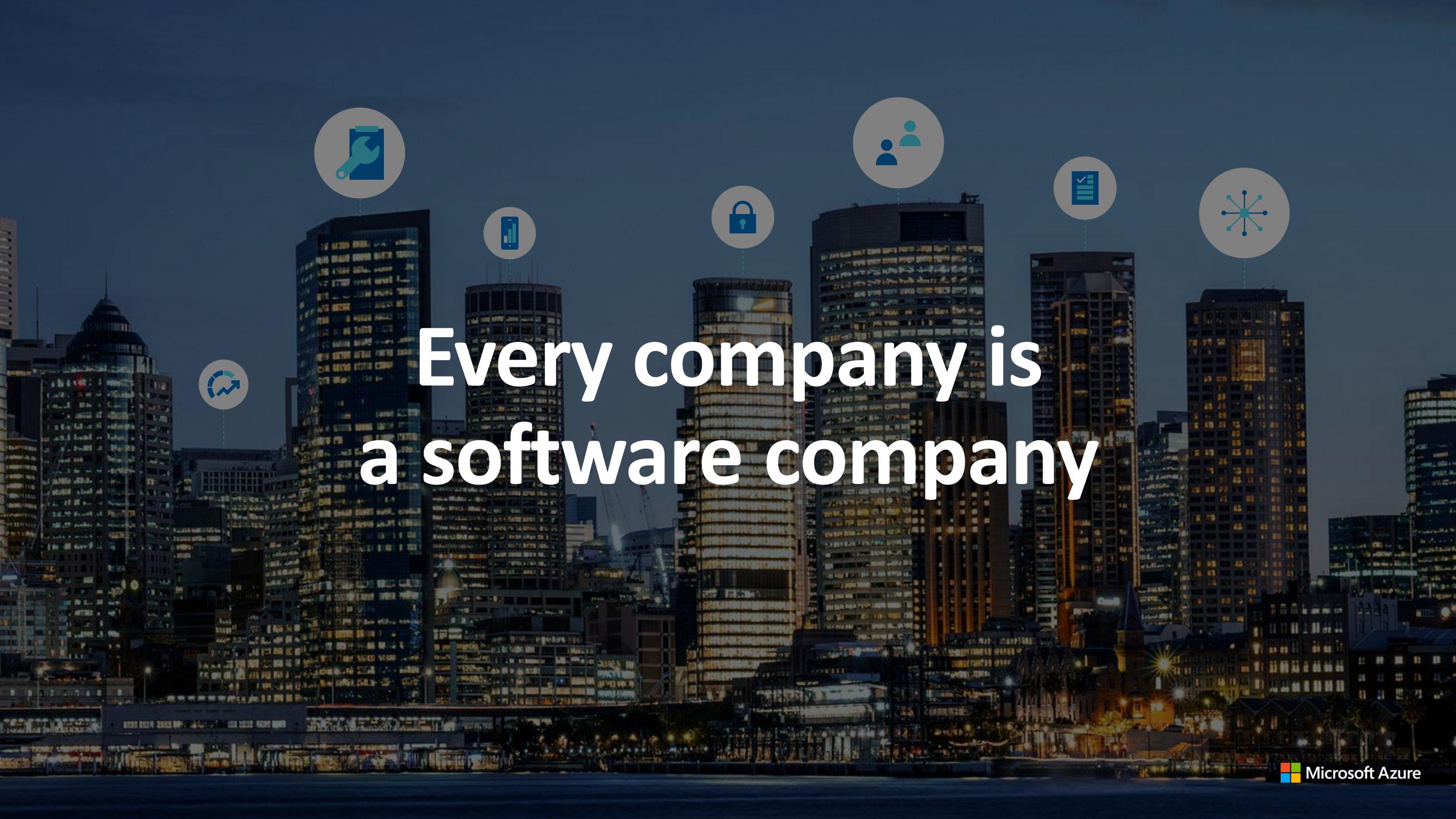
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COLLABORATORS



Thank you!



Every company wants to digitally transform

However, realizing true business value from software remains challenging

20M+

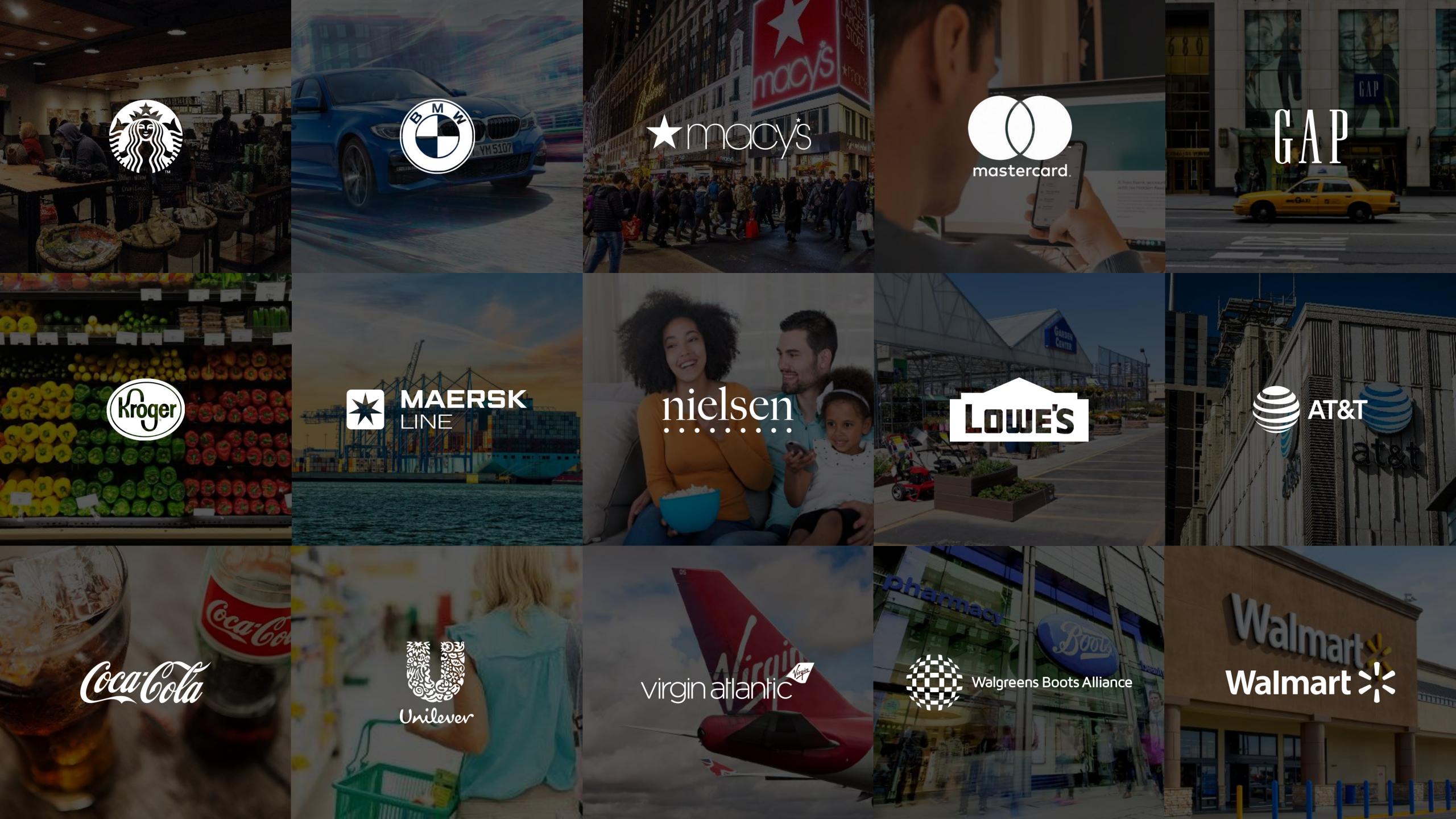
Software engineers worldwide

50%

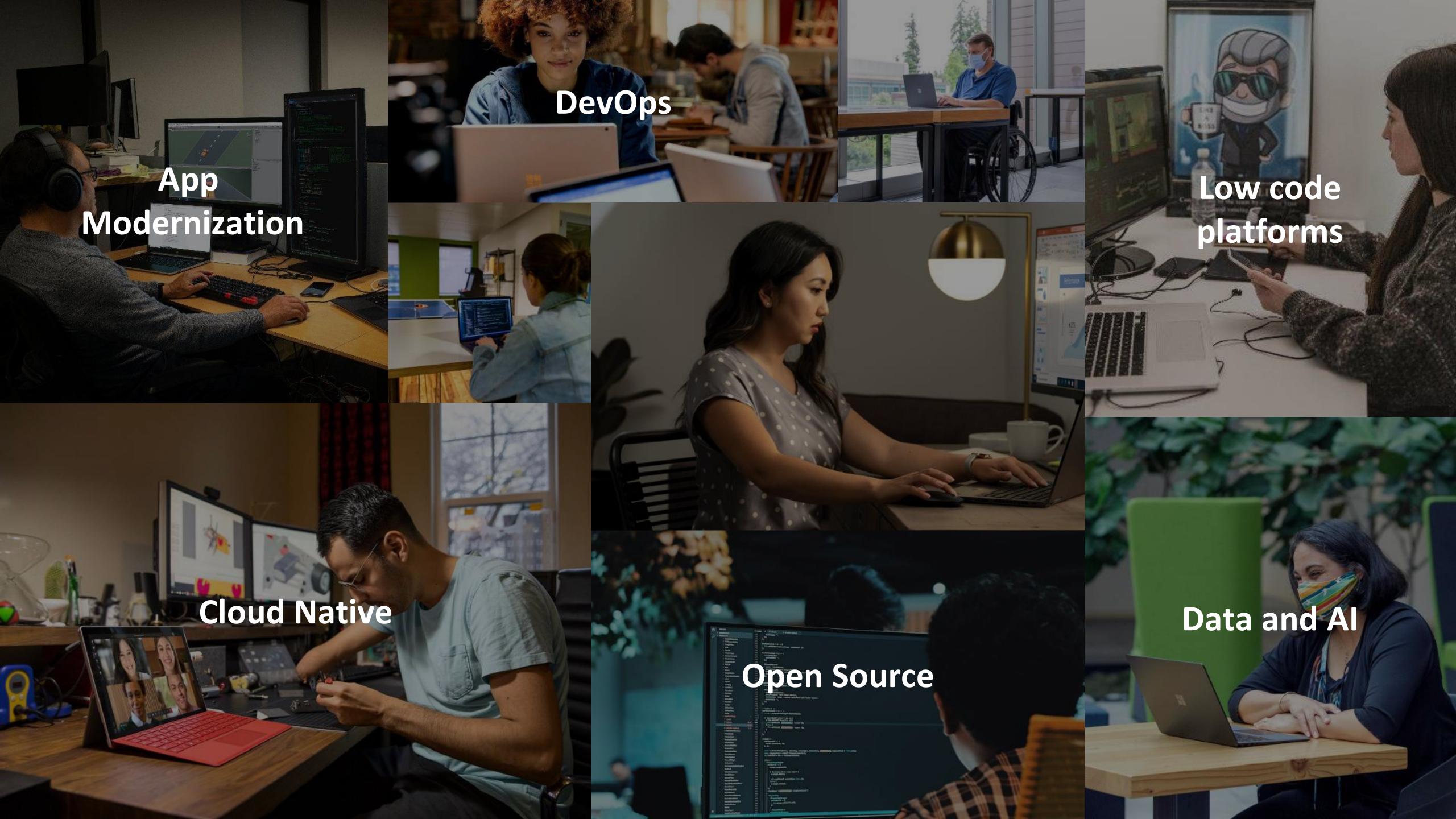
Outside of tech industry

70%

of digital transformation initiatives do not achieve targeted outcomes







Companies with top Developer Velocity Index (DVI) outperform the market



Higher revenue growth

55%

Higher innovation¹

McKinsey & Company: Driving business outcomes through Developer Velocity 2020 Measured by level of adoption of new technologies and ability to innovate faster and beat competition through innovation led growth



What is Developer Velocity?

Driving business performance through software development by empowering developers, creating the right environment for them to innovate, and removing points of friction.

azure.com/developervelocity

Developer Velocity Index (DVI)

McKinsey conducted a comprehensive review of software development and converged on a single holistic metric—Developer Velocity Index



Technology

- 1. Architecture
- 2. Infrastructure and platform
- 3. Testing
- 4. Tools



Working practices

- 5. Engineering practices
- 6. Security and compliance
- 7. Open source, inner source
- 8. Agile team practices



Organizational enablement

- 9. Team characteristics
- 10. Product management
- 11. Organizational agility
- 12. Culture
- 13. Talent management



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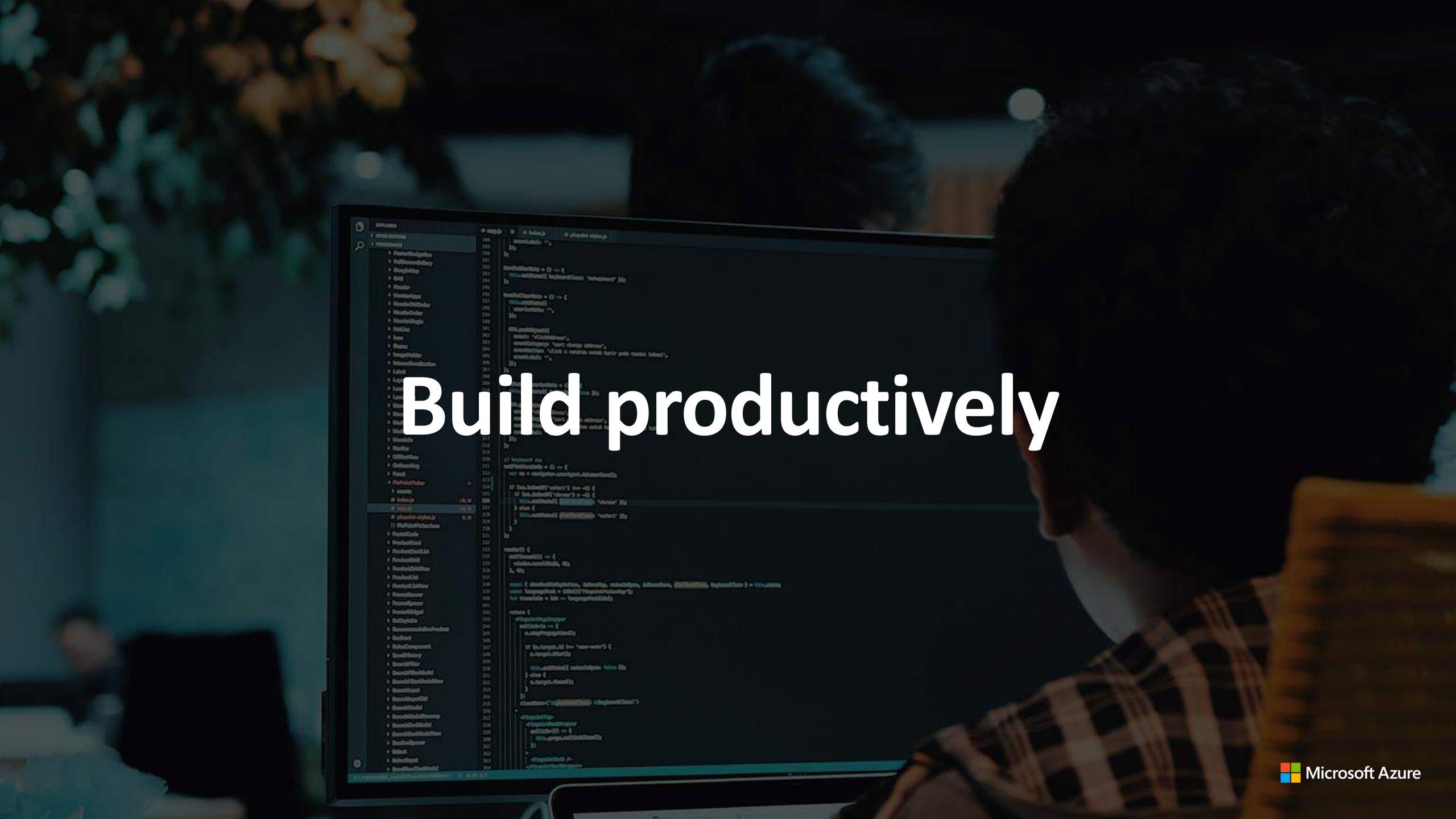
Developer Velocity Assessment

Discover where your organization is on the Developer Velocity maturity scale and benchmark your Developer Velocity Index (DVI) relative to your peers. Then, get actionable guidance for how to drive better business outcomes for your organization.

aka.ms/developervelocity-assessment

Collaborate globally & securely





Best-in-class tools are the #1 driver of business performance

+65%

more innovative

47%

developer satisfaction and retention rates

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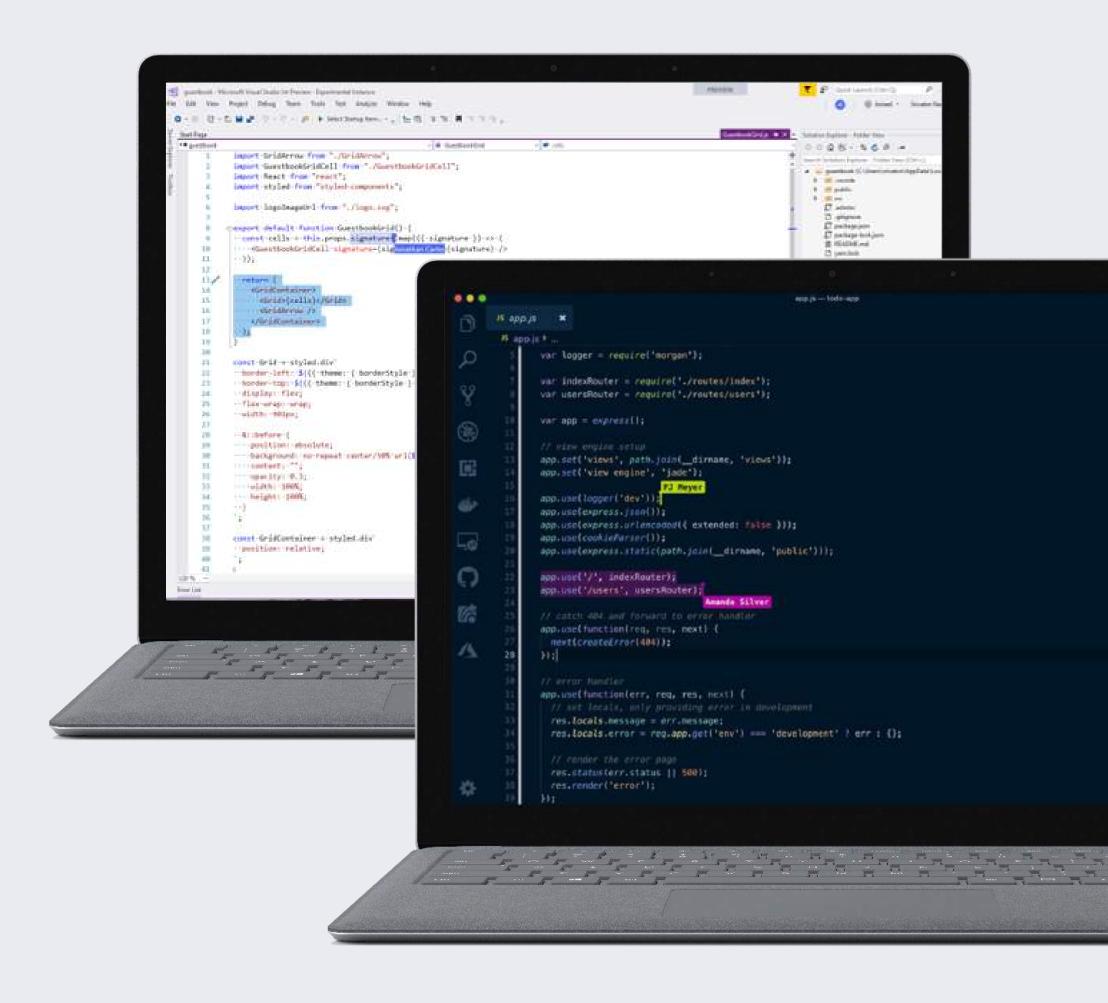
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Visual Studio Family

Support developers with any language or platform

Modern development practices

Integrated tools and cloud







Open source is the biggest differentiator for organizations

+30%

more innovative

+20%

developer satisfaction and retention rates



GitHub

The largest developer community on the planet

GitHub



Collaboration

Attract and retain the best talent with tools developers know and love



Security

Securely integrate open source code in your software



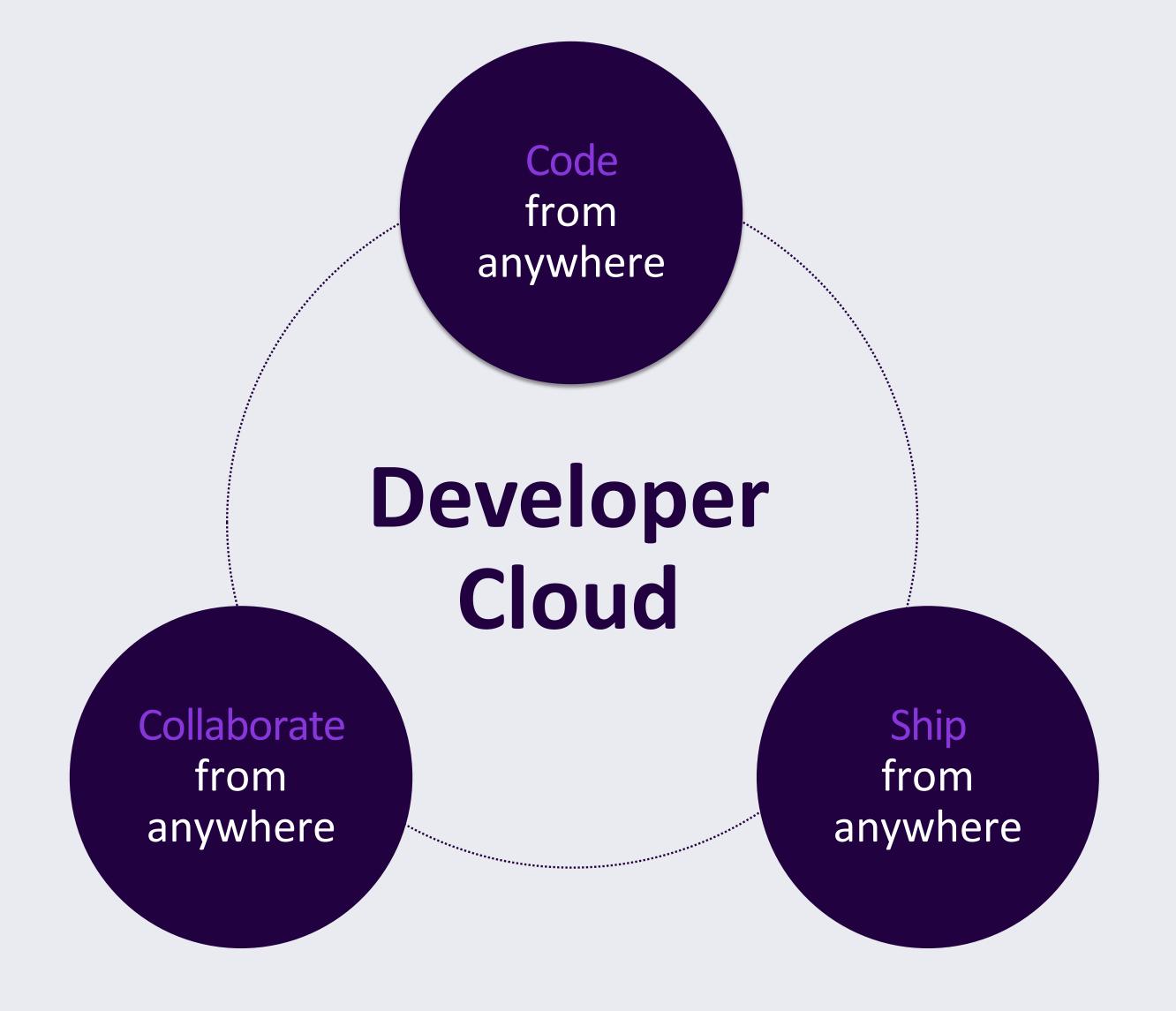
DevOps

Automate workflows from code to any cloud



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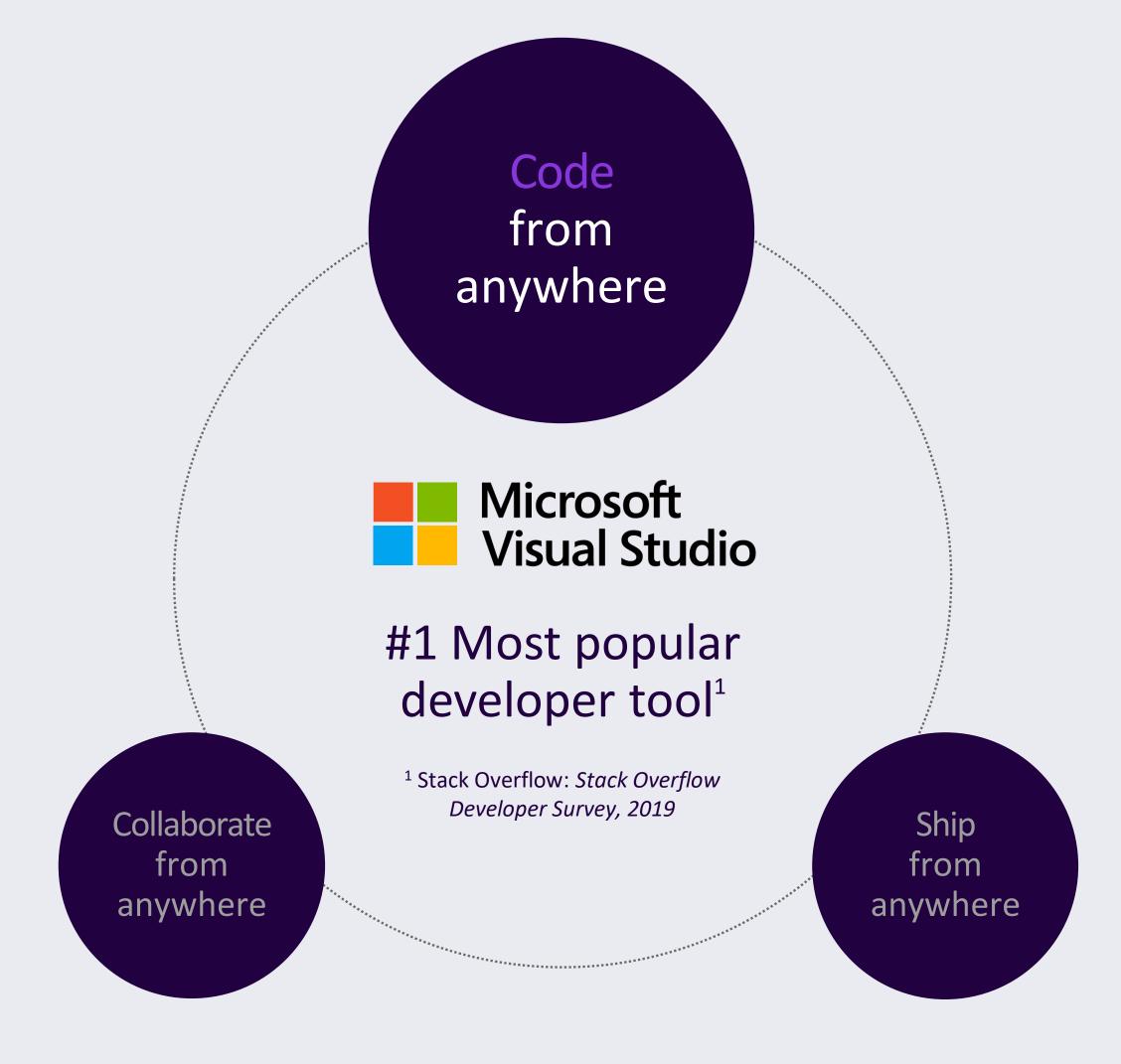
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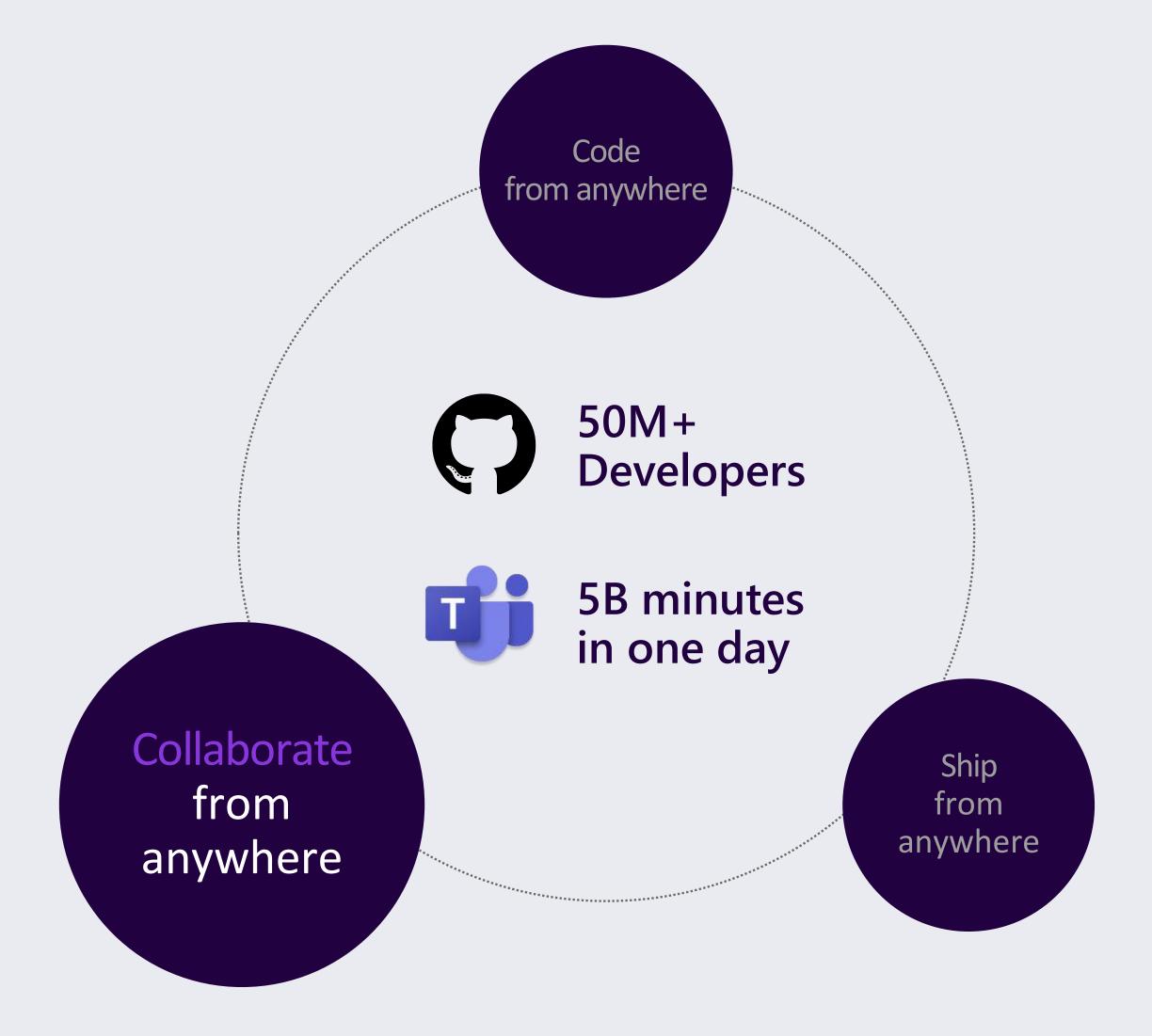


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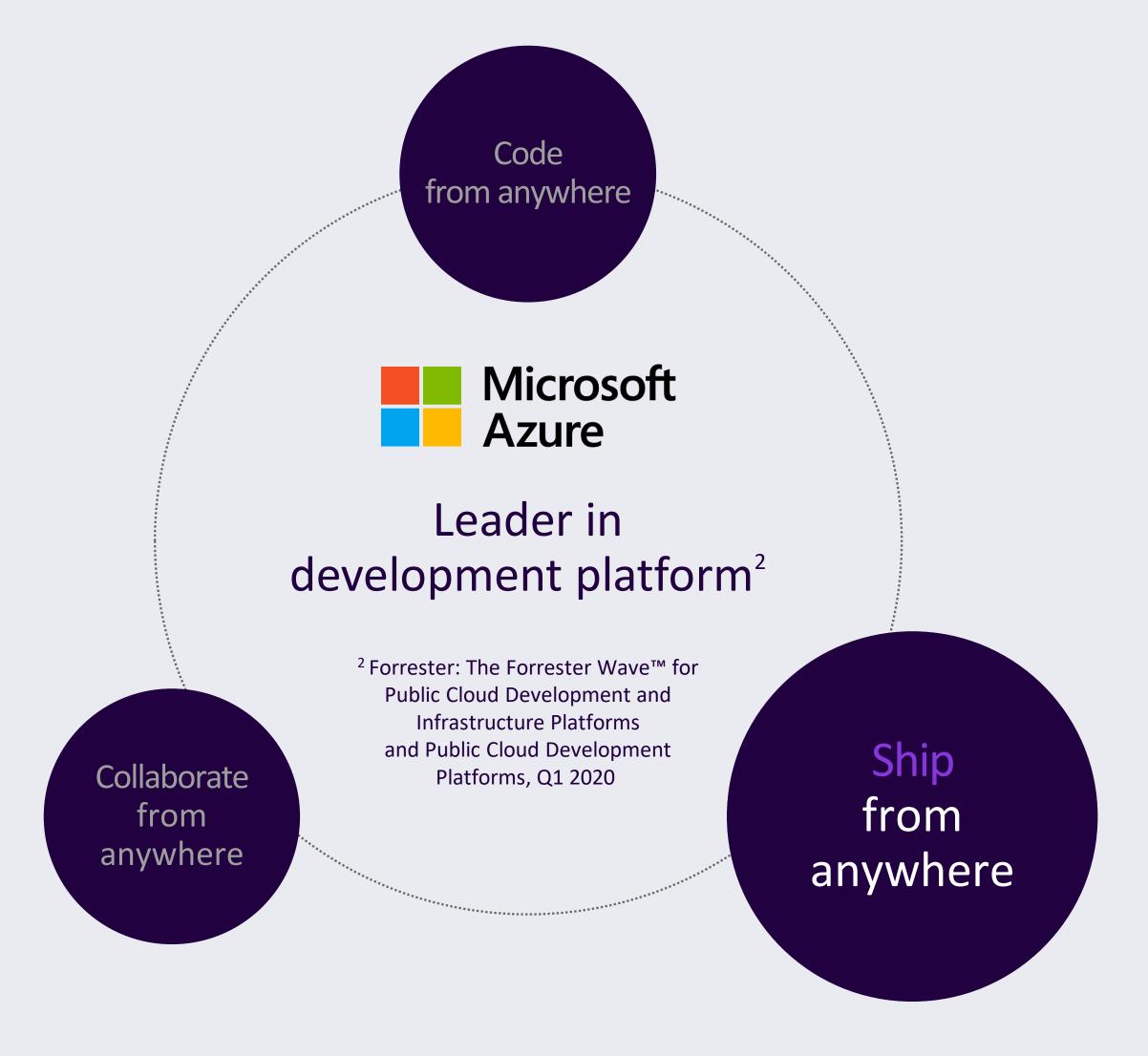
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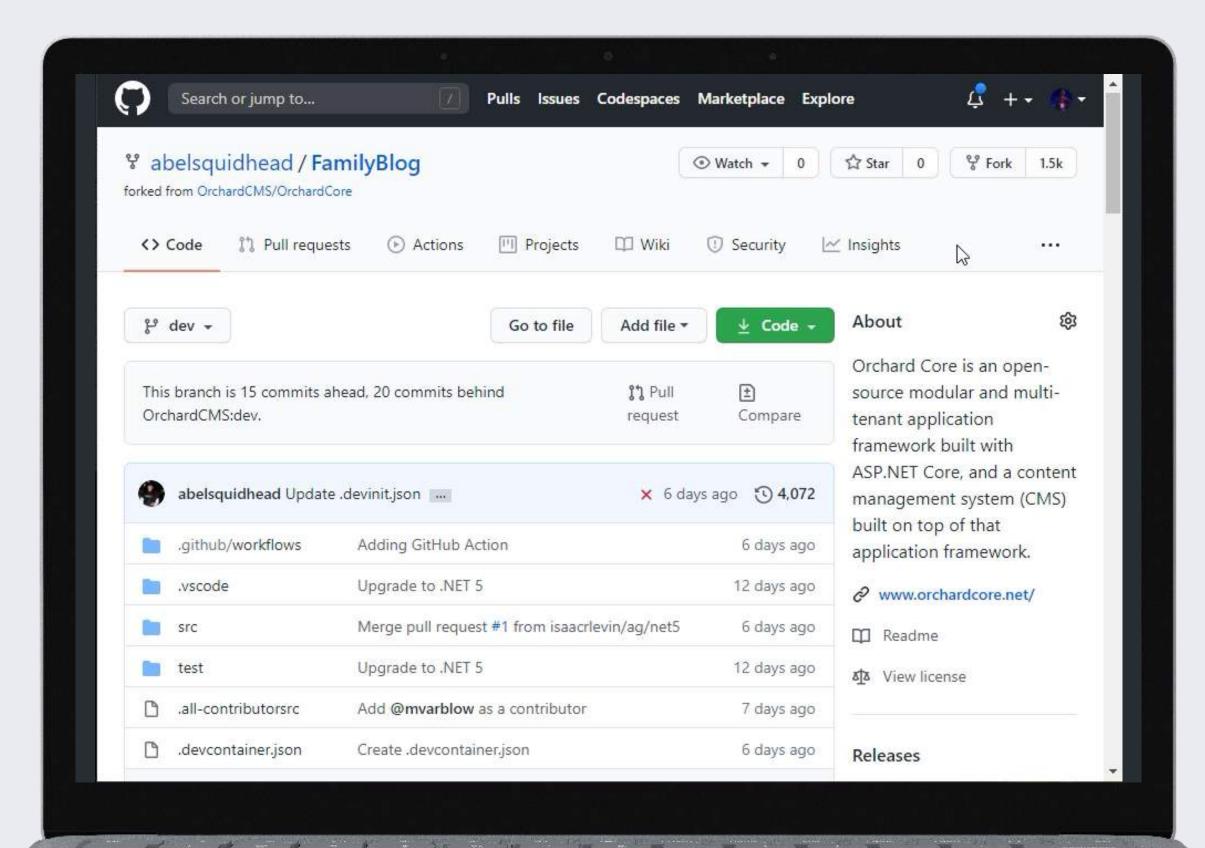












BETA

GitHub Codespaces

Cloud-powered developer environments

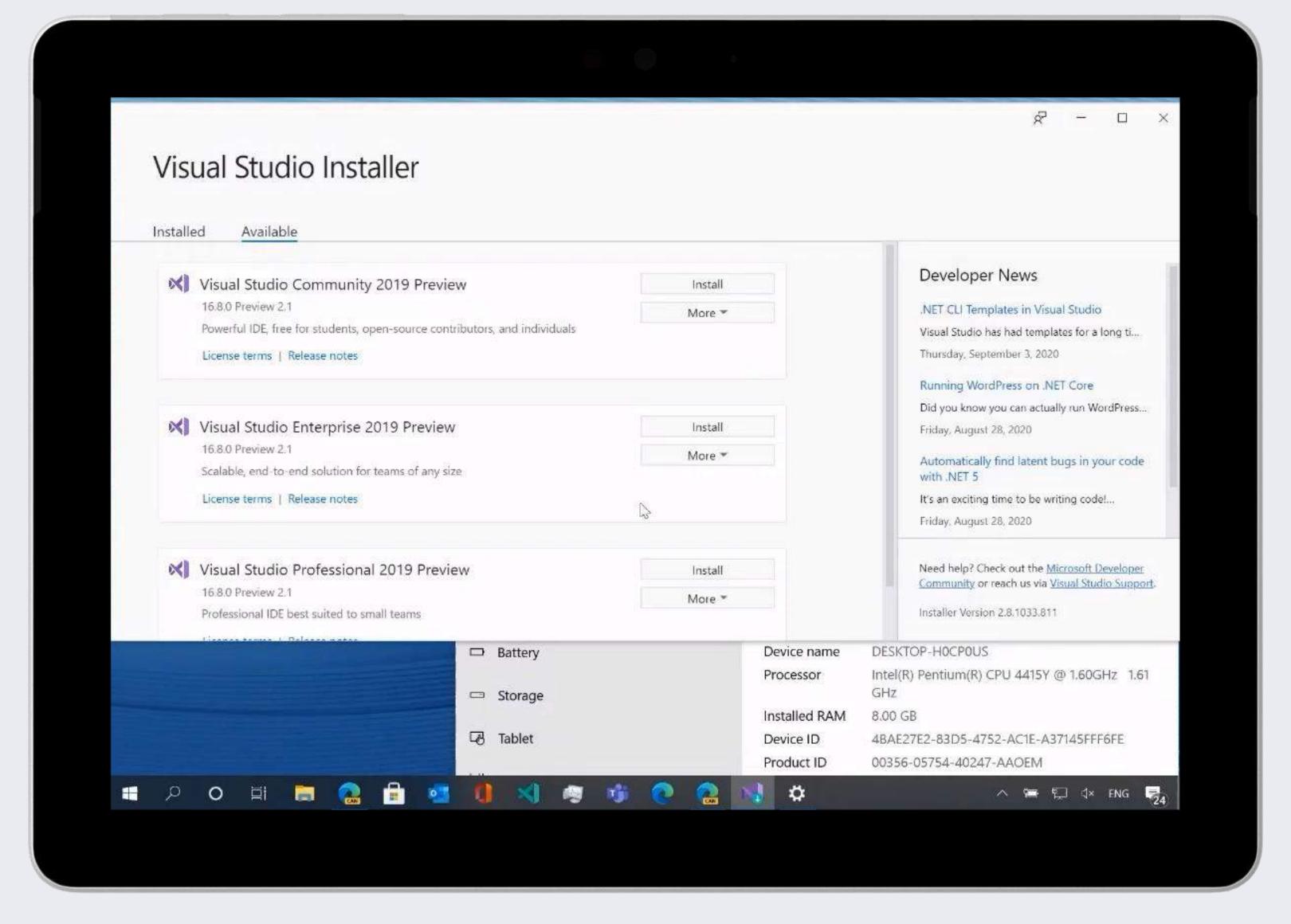
Seamlessly integrated into GitHub

Experience with Visual Studio and Visual Studio Code



Demo Developer Cloud









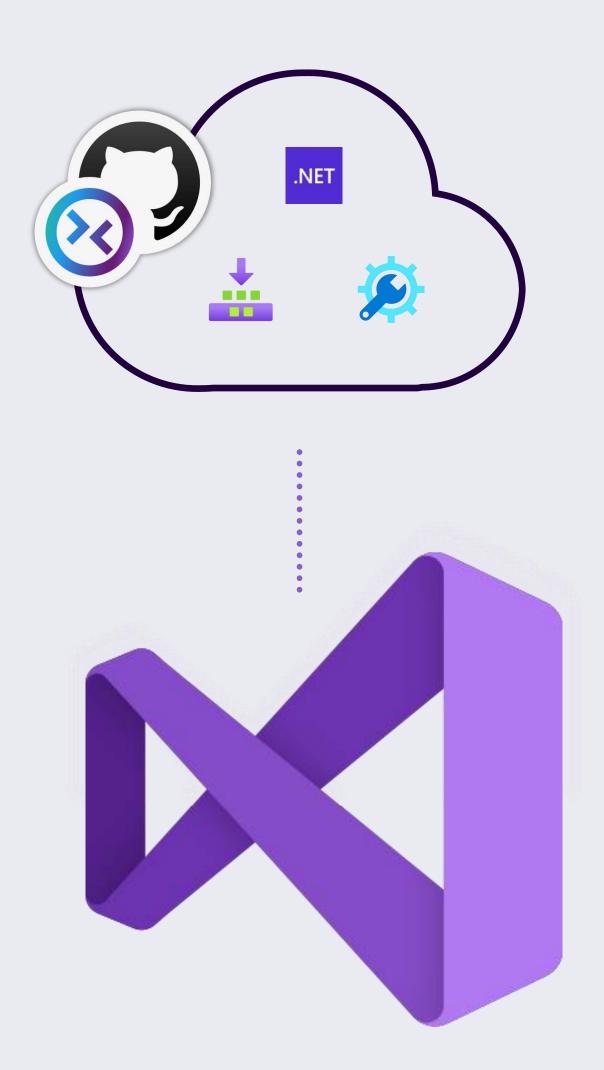
GitHub Codespaces



IDE



GitHub Codespaces





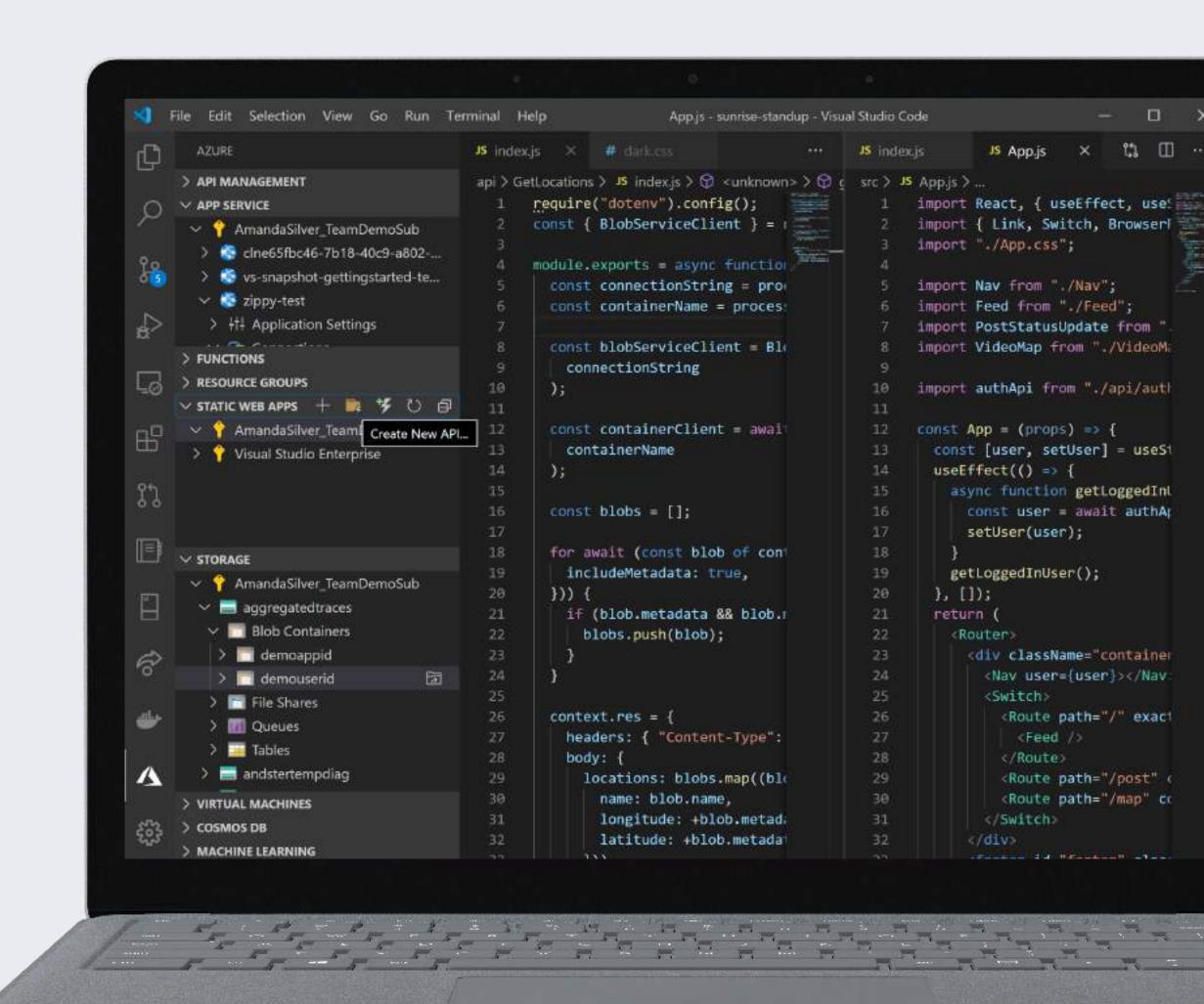
Code-to-cloud with Azure

End-to-end workflows that enable team collaboration + agility

Support developers with any language or platform

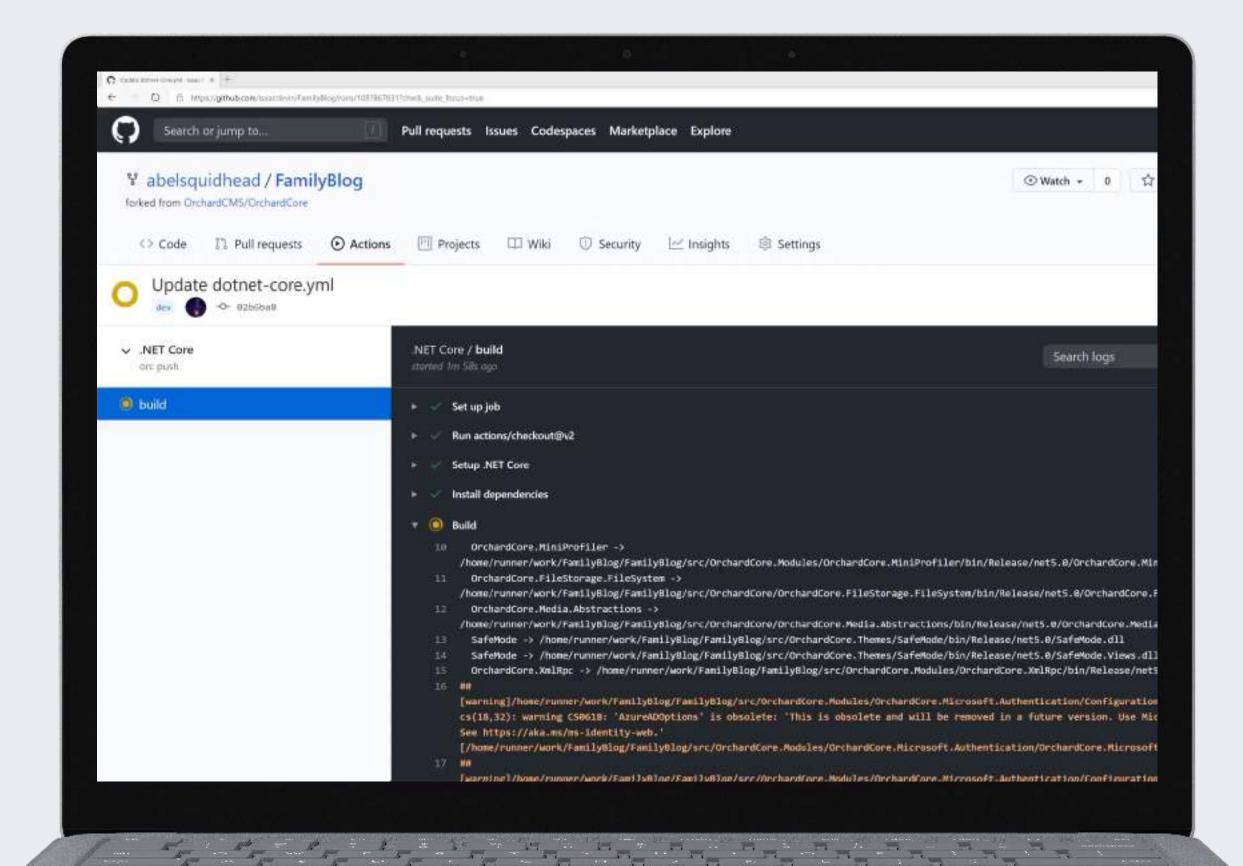
Services that enable devs to focus on apps, not infrastructure

Build, test, and deploy consistently with GitHub





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GitHub Actions for Azure

Azure Policy as Code

ARM infrastructure as Code

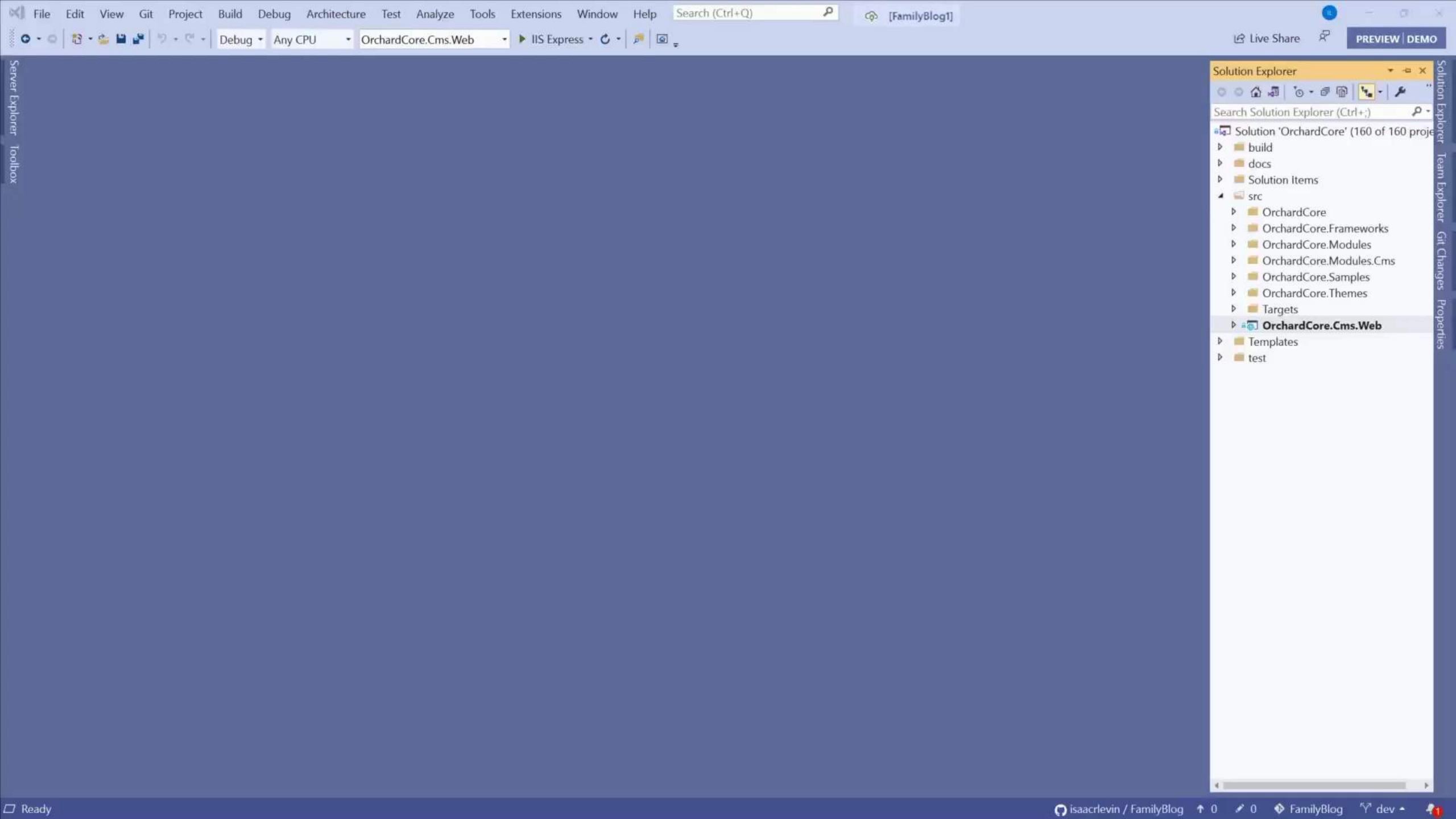
Container Scanning

Traceability for AKS



Demo GitHub Actions for Azure



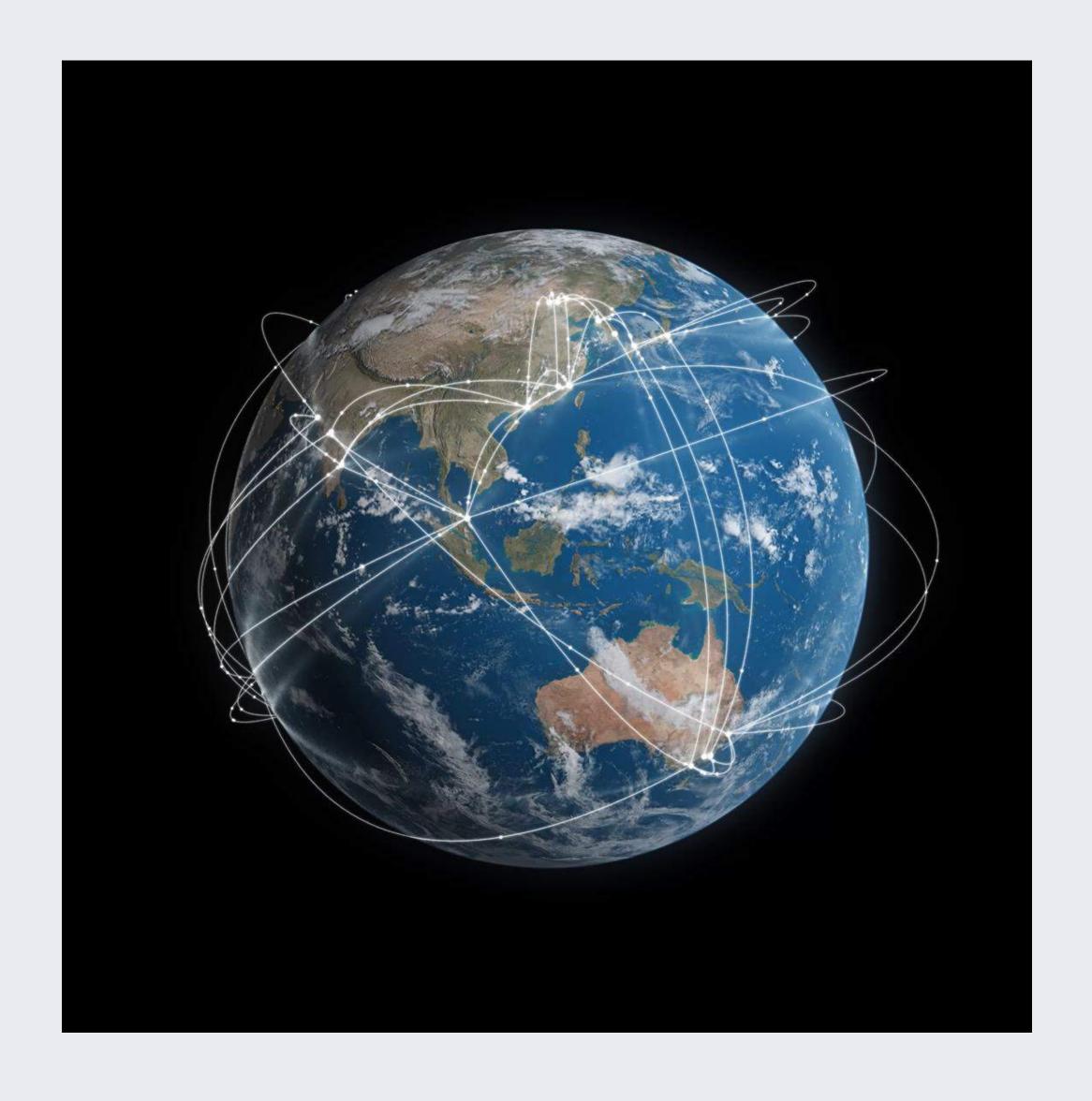








Public cloud adoption is key for Developer Velocity for non software companies



61

Azure regions worldwide

>90

Compliance certifications

Azure

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Edge Devices

Azure Stack Azure Sphere Azure Kinect HoloLens Azure Arc



Serverless

Web Databases

Mobile Analytics + ML

Mixed Reality AI

Kubernetes Internet of Things

Events + Integration Media



Infrastructure

Compute Networking Storage Security Identity



Visual Studio

Azure DevOps

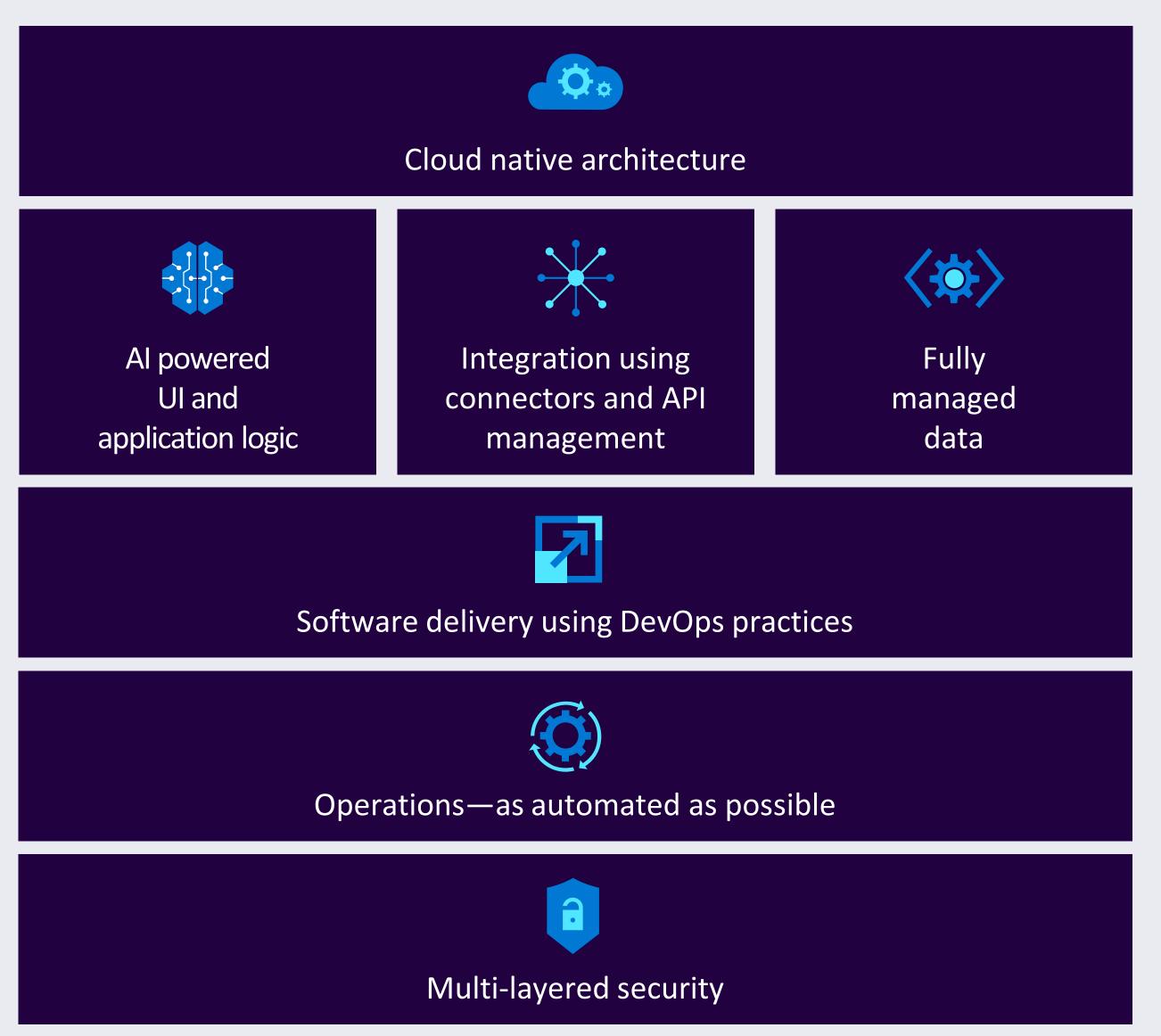
GitHub

Power Apps

Power BI

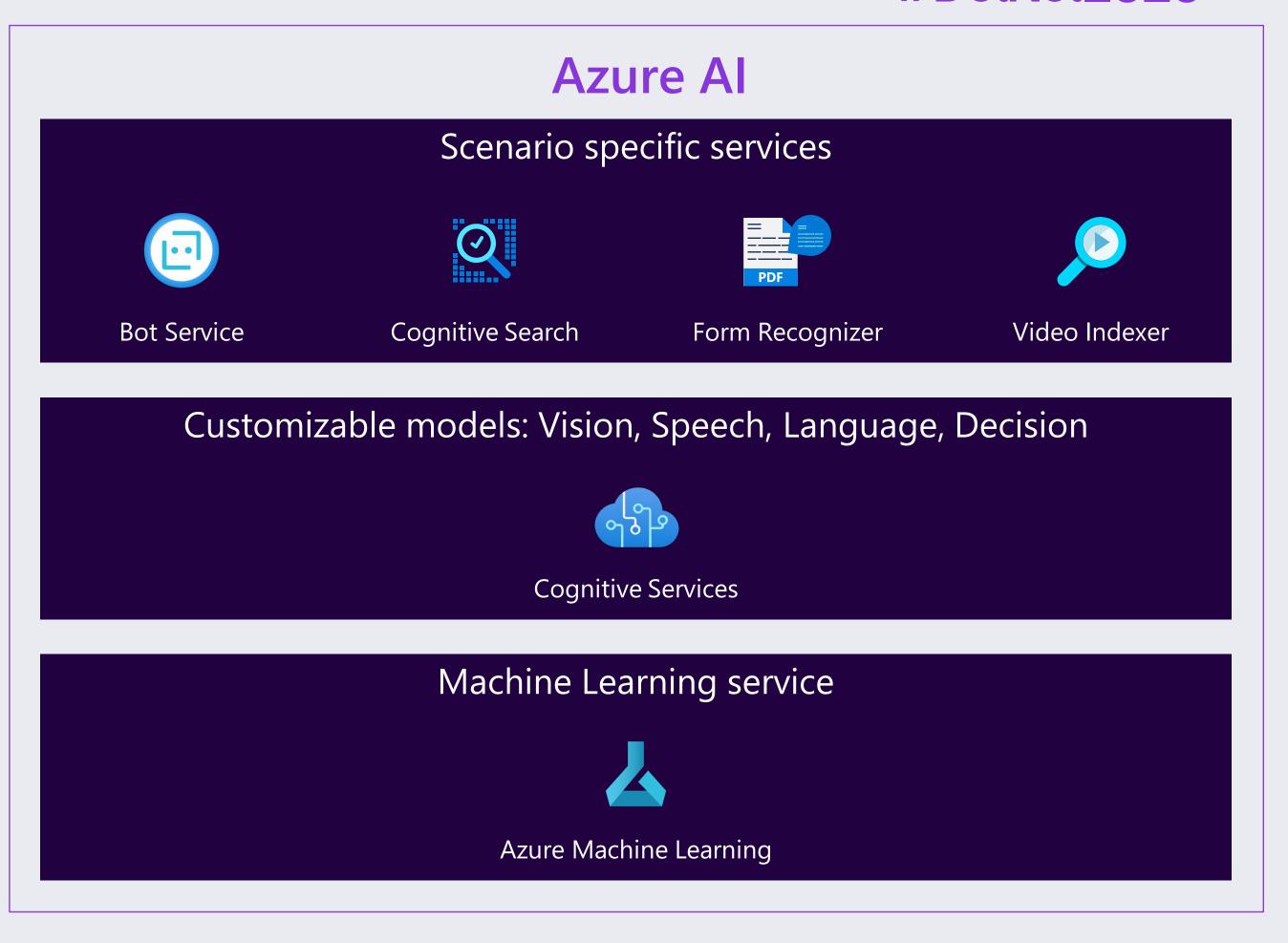


Cloud native application development





Al on Azure



22,000+
paying
customers

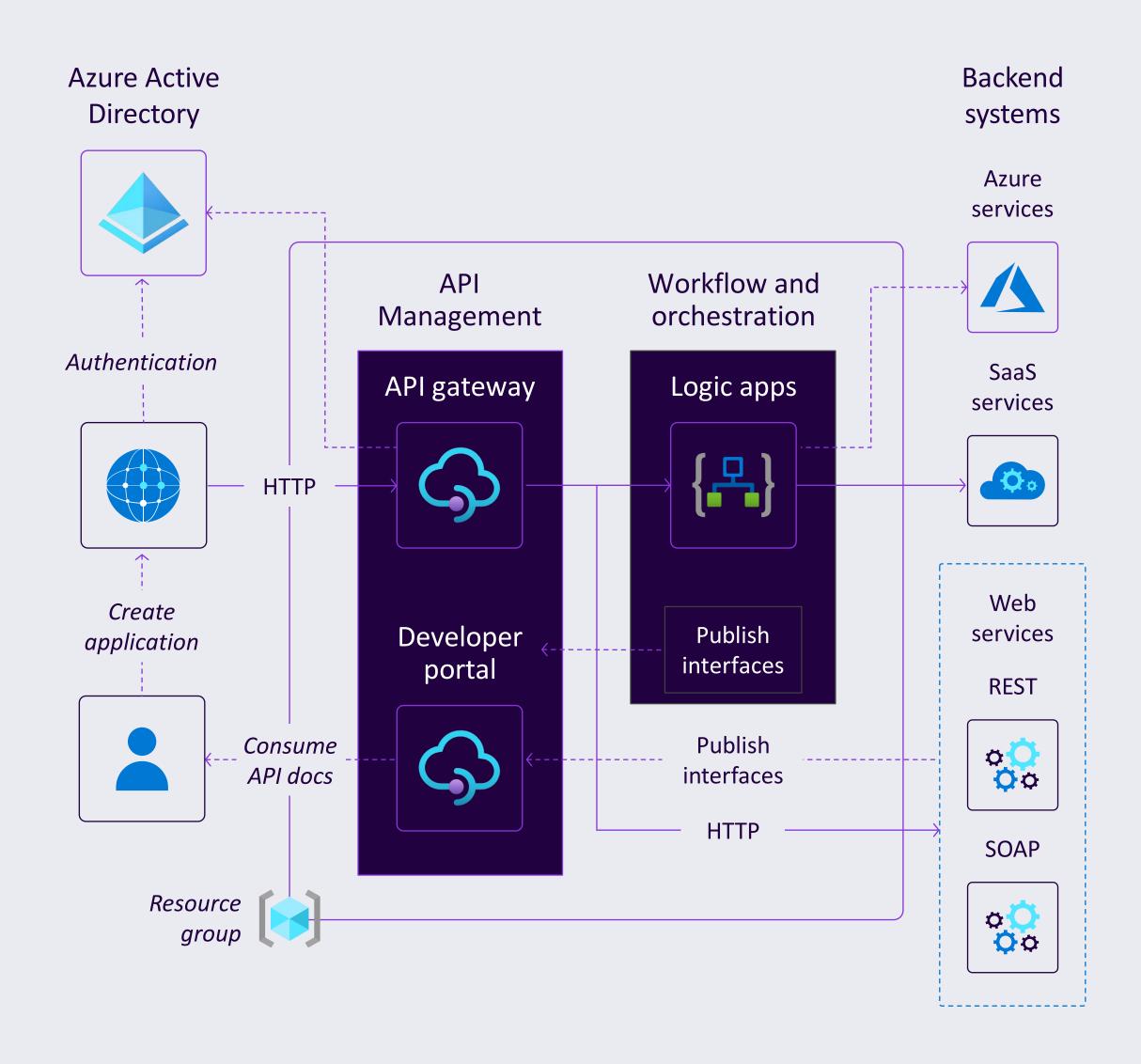
85% of Fortune 100 companies use Azure Al Leader recognized by top industry analysts



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Integration using out-of-the-box connectors and API management





Fully managed databases on Azure

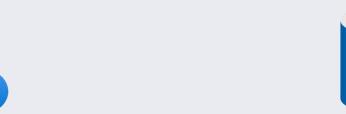
Always up-to-date | Hybrid compatibility | High availability | Limitless scale Low latency



Azure SQL



Azure SQL Managed Database Instance



Azure Database for PostgreSQL



Azure Database for MySQL



Azure Database for MariaDB



Azure Cache for Redis



Azure Cosmos DB

Managed intelligent SQL in the cloud

Enterprise-ready, fully managed, and scalable open-source databases

In-memory data store to power fast, scalable applications

Fast NoSQL database with open APIs for any scale

Built-in AI and built-in high availability maintain peak performance and durability with an SLA of up to 99.995%

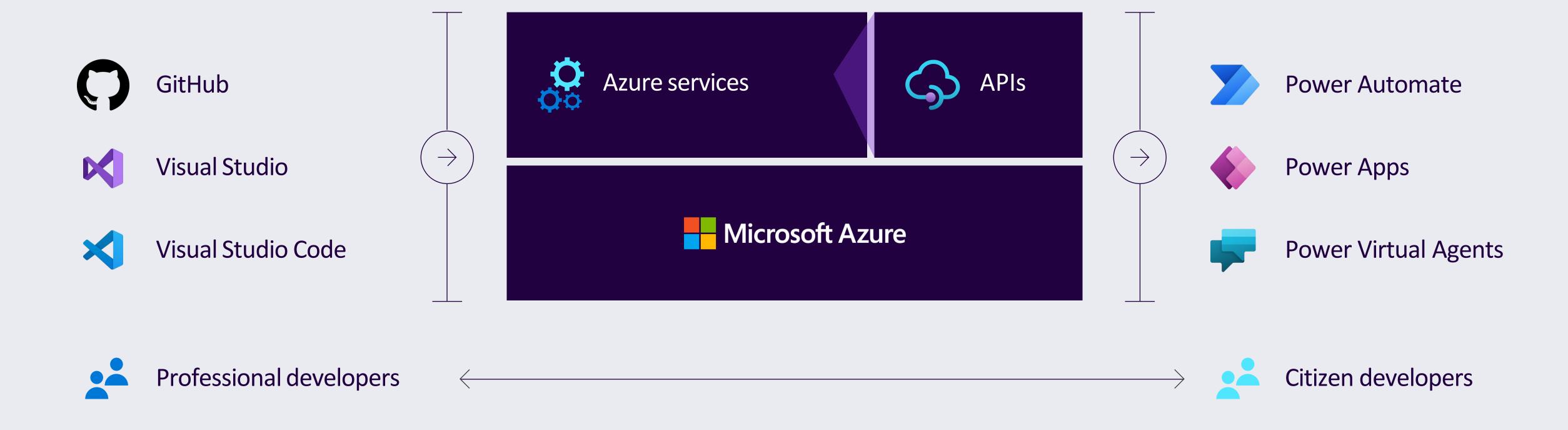
50k+ customers in 100+ countries, Azure is the only cloud with Hyperscale PostgreSQL

Used by Microsoft Teams to help scale to 75M+ daily active users



Companies that empower citizen developers score higher on innovation

Azure + Power Platform

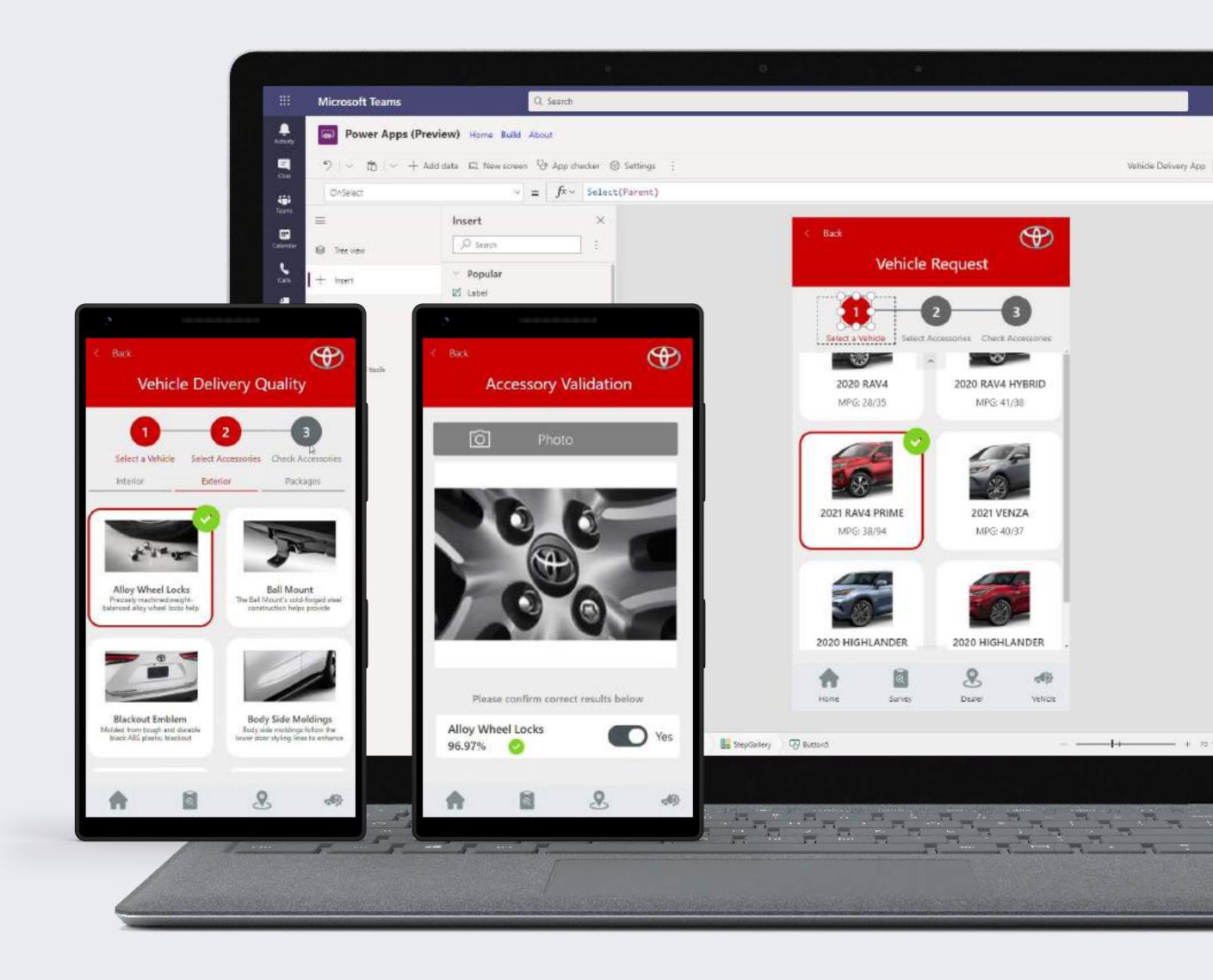


Power Apps

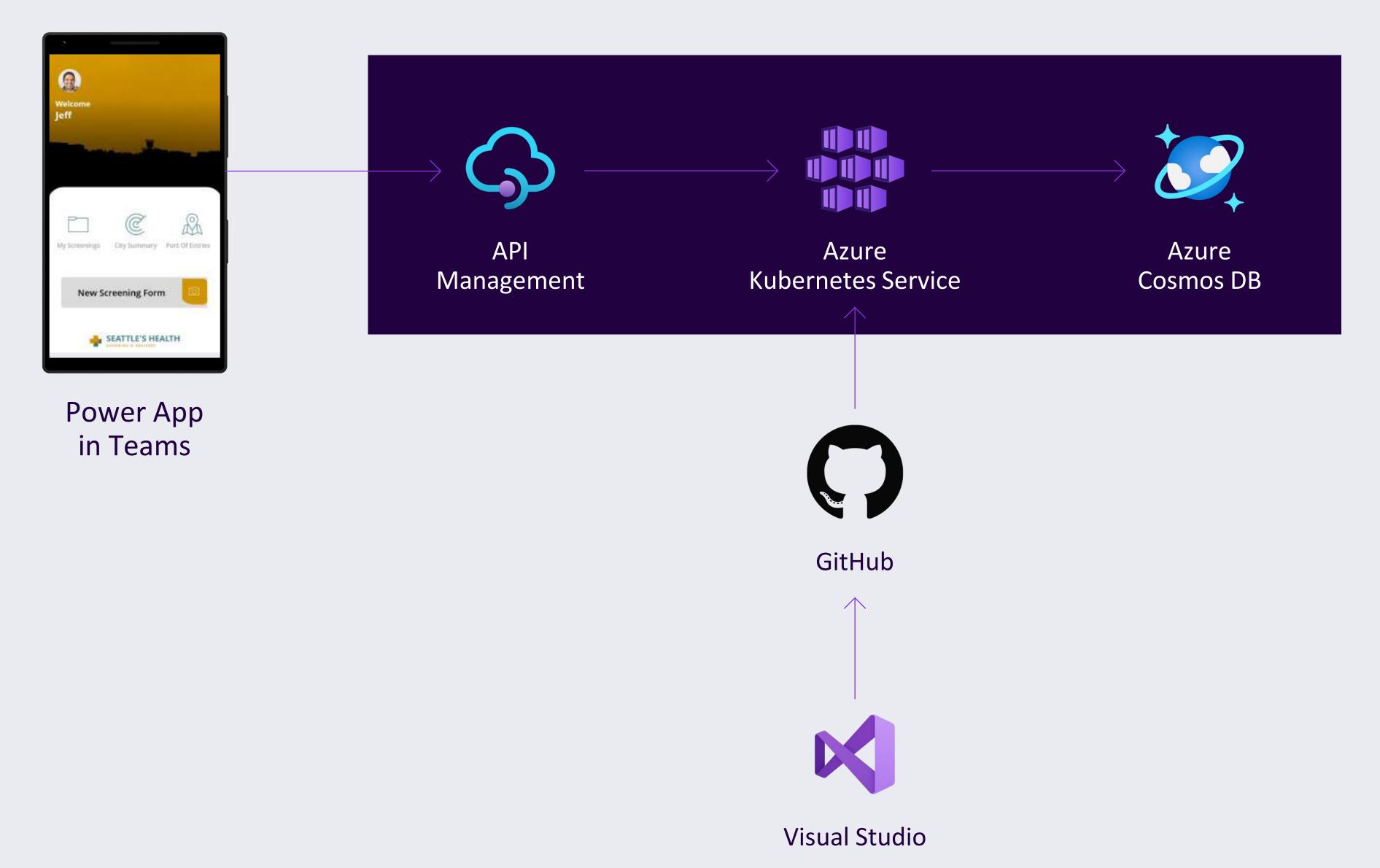
Built-in CI/CD with GitHub Actions

API management support for custom connectors

Power Virtual Agents extension with Bot Framework





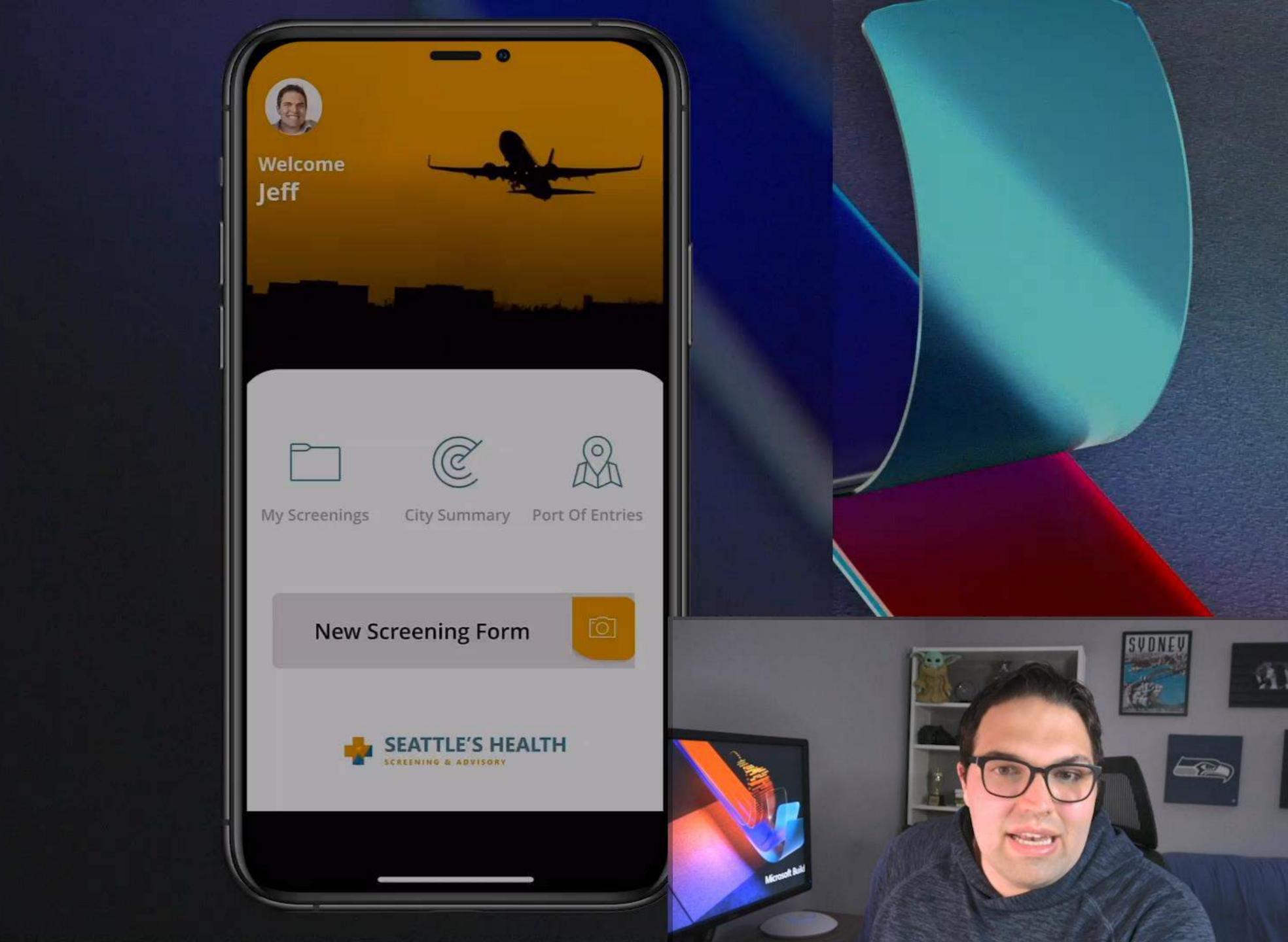


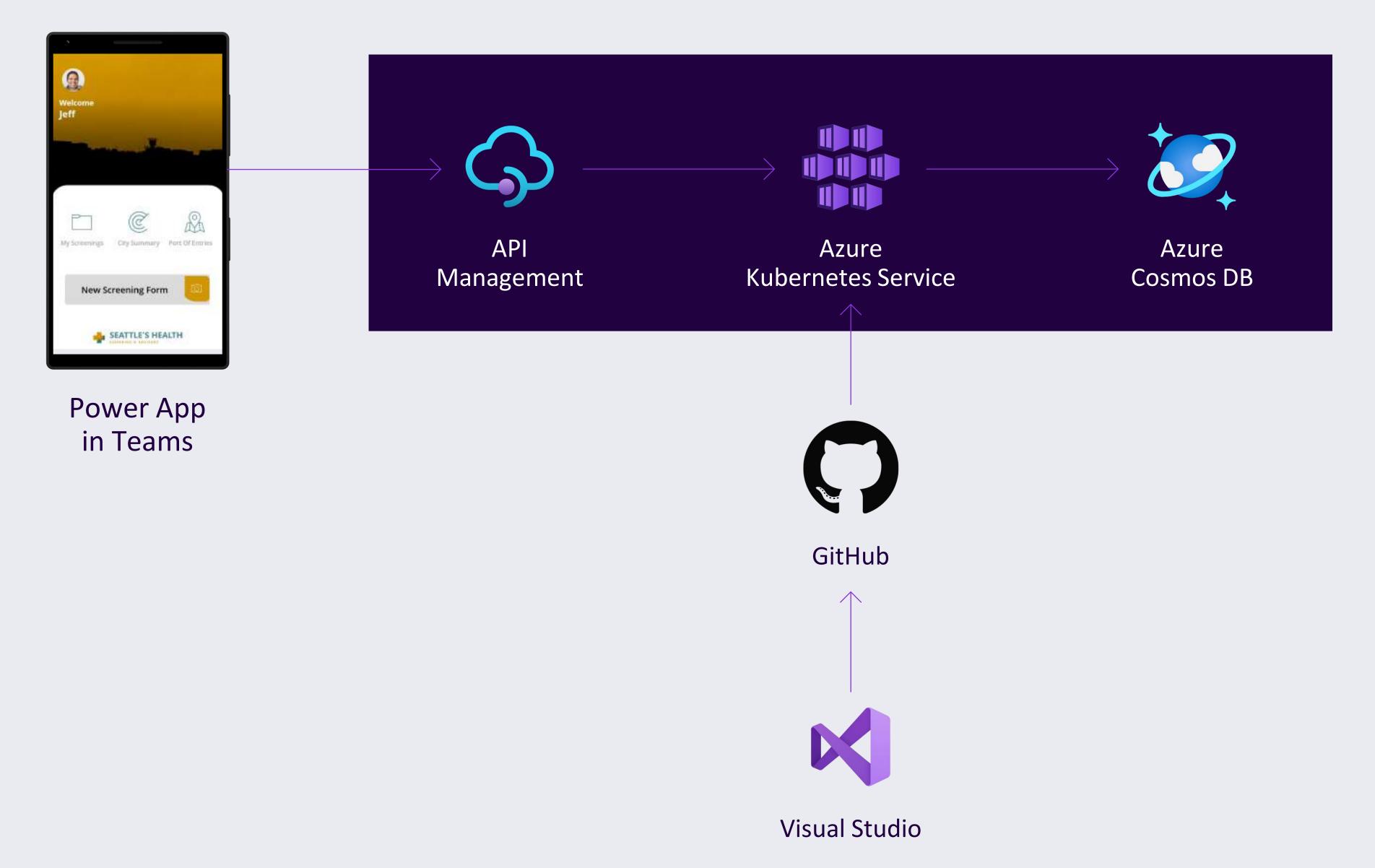
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Demo

Azure + Power Apps + Teams









World's most popular developer toolchain

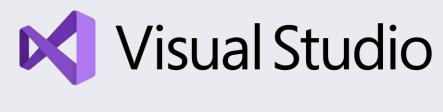


50M developers



Microsoft Azure

Leader in development platform²



#1 developer tool¹



Power Apps

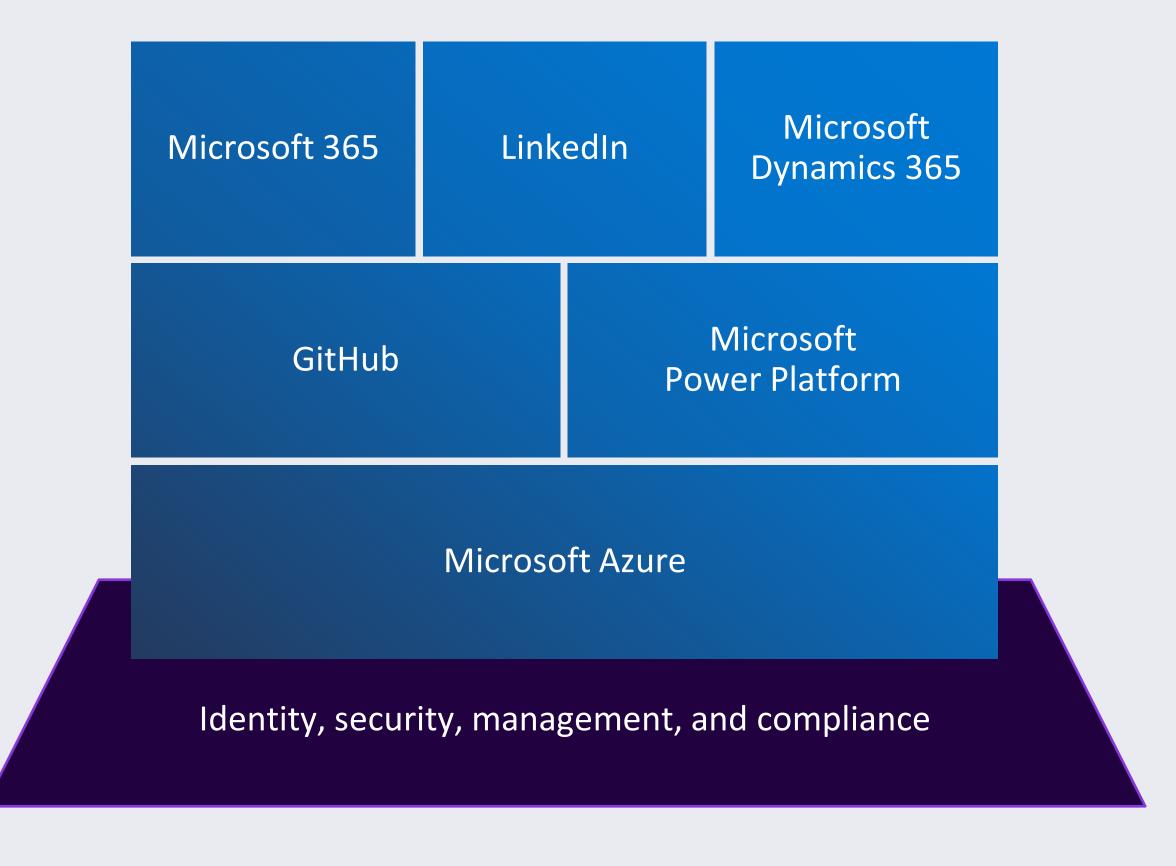
Leader in low-code development platforms³



¹ Stack Overflow: Stack Overflow Developer Survey, 2019

² Forrester: The Forrester Wave™ for Public Cloud Development and Infrastructure Platforms and Public Cloud Development Platforms, Q1 2020

³ **Forrester**: Forrester Wave for Low-Code Development Platforms, 2019





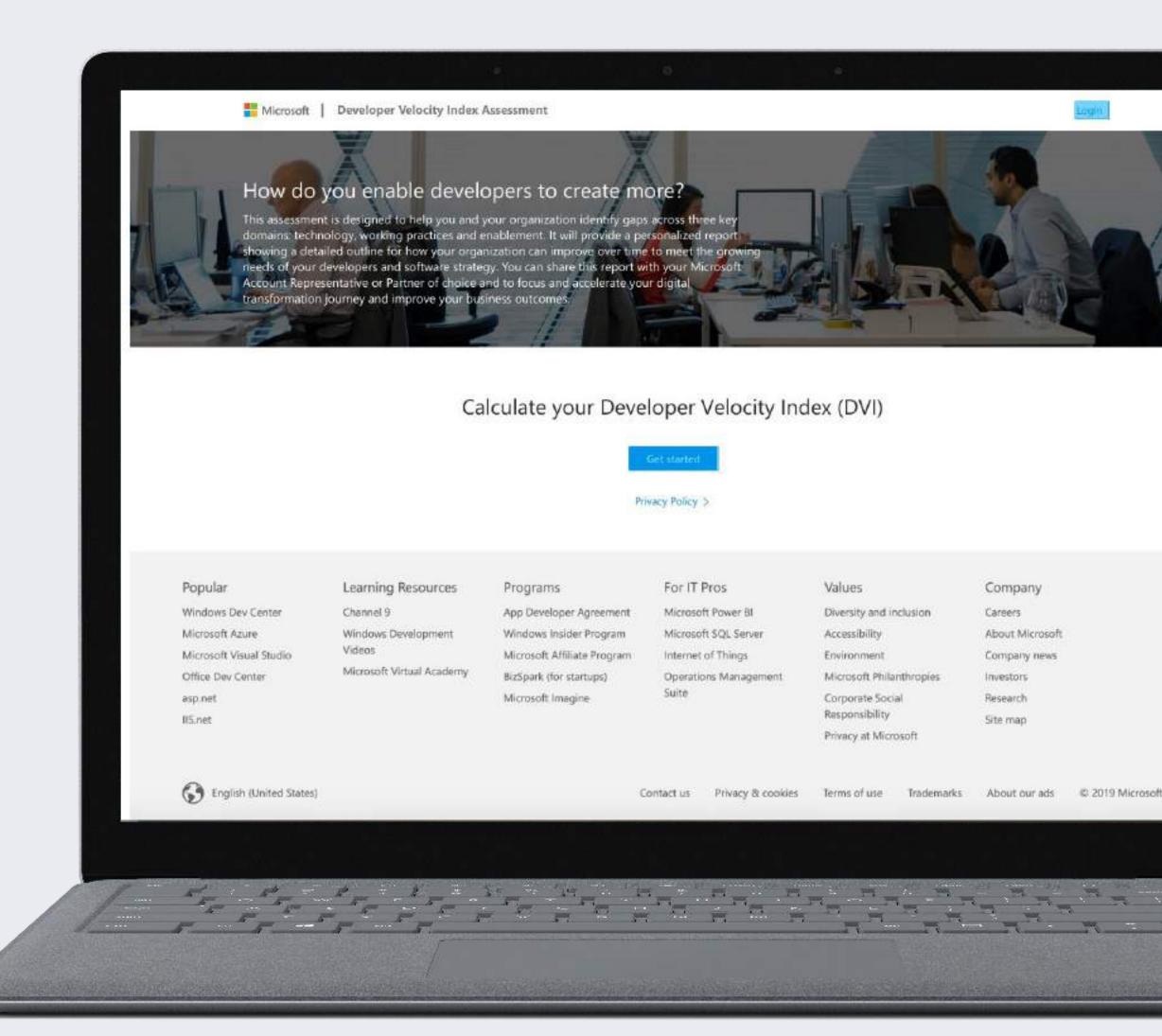
Developer Velocity

Learn more about Developer Velocity and complete your assessment today!

https://azure.com/developervelocity

https://aka.ms/lgnite20/DeveloperVelocity

https://developervelocityassessment.com/







Thank you for joining us.

Questions & Answers



Thanks and ... See you soon!

Thanks also to the sponsors.

Without whom this would not have been posible.









