



Accelerating AI Driven Software Delivery with Opsera

A global semiconductor leader leveraged GitHub Copilot to accelerate AI driven software delivery. By utilizing Opsera's intelligence platform to capture key metrics, from suggestion acceptance to DORA outcomes, they transformed AI assistance into quantifiable productivity improvements.

ROI at a Glance

The results weren't abstract productivity claims but they were hard numbers. By tracking Copilot adoption through Opsera, leaders could see exactly how AI shifted delivery speed, quality, and efficiency. The side-by-side view makes the impact clear.

Metric	Before Copilot	After Copilot + Opsera	Impact
Code Suggested by AI	9.7%	40%	4x more AI contribution
Acceptance Rate	19.3%	27.8%	+44% improvement
Time to PR	13 days	9 days	31% faster
Lead Time to Merge	2 days	1 day	50% reduction
Developer Hours Saved	—	2,654 in June	Tangible ROI

How Copilot Changed Delivery

Developers now move faster, trust AI suggestions more, and keep quality high. In just one month:

- **40% of code is AI suggested**, up from 9.7% the month before
- **132,719 lines of AI generated code** saved ~2,654 developer hours
- **PR creation dropped to 9 days**, a 31% improvement
- **Lead time halved from 2 days to 1**, speeding up merges without hurting quality

Smarter PR Approvals

AI didn't just speed things up, it made delivery more predictable. Copilot assisted PRs flow through approval in a consistent one-day cycle, with **459 PRs merged and only 24 left open**. Faster doesn't mean riskier: quality rose with standardized, AI suggested patterns.

DORA Metrics Transformed

With AI in the loop, delivery performance shifted meaningfully:

- **Lead time for changes:** 50% faster
- **Deployment frequency:** daily release potential
- **Time to restore:** faster debugging with zero major incidents
- **Change failure rate:** fewer failures with consistent coding patterns

The Opsera Advantage

Opsera provided the visibility teams needed to make AI adoption stick:

- Real-time correlation from **Copilot usage → PRs → deployments**
- Predictive insights to guide training and forecast ROI
- Language-specific analytics highlighting where AI drives the most lift (Java 38.45%, Python 19.24%)
- Bottleneck detection to uncover hidden cycle time delays
- Team benchmarking to replicate success across groups

Opsera is the only platform that shows the full journey, from a Copilot suggestion to production, so leaders know where AI is helping and where to double down.

Ready to see how AI assisted development can impact your own teams? **Schedule a demo** and explore the full AI-to-production story with Opsera.