



AI-driven architectural modernization

Modernize Java and .NET apps with vFunction and Amazon **KIRO**

vFunction is an AI-augmented code modernization tool focused on architectural transformation of complex applications into cloud-native services. It powers code assistants* with runtime architectural insights, transforms Java and .NET monoliths into modular, microservices-based, AI-ready, apps, at least 15X faster** than traditional efforts, while automating fixes and eliminating architectural technical debt.



Modularize & Transform

Refactor/rearchitect for cloud-native. Modularize your monolith up to full microservices transformation



Reduce Cost through Elasticity

Reduce EC2 bill by moving to ECS, Lambda and other elastic platforms, enabling pay-per-use



Enable Agentic Capabilities

Modularize your monolith to enable agentic capabilities. Incorporate agentic AI into your apps, module by module

Leading Use Cases for vFunction on AWS:

- ✔ Unblock stalled cloud migrations, modernize complex Java and .NET applications
- ✔ Reduce EC2 costs/move beyond “lift-&-shift” with AWS EKS, ECS or Lambda services
- ✔ Support Windows/.NET modernization to Linux/Open source (remove Windows licenses)
- ✔ Add agentic AI capabilities, turn into modular apps for security, scalability & agility

Get Started

Explore how vFunction can accelerate your AWS modernization journey. Visit our [AWS Solution Page](#) or [contact us](#) to learn more.

Trusted by global customers









Accelerate adoption of advanced AWS services and enable agentic capabilities

At vFunction, we're committed to helping customers fully leverage AWS-native services. From on-prem and EC2 to containers, serverless, and beyond, we partner closely with AWS teams to accelerate modernization and unblock migrations—enabling customers to move beyond lift-and-shift to EC2, to more scalable, cost-efficient and resilient architectures built for the cloud enabling agentic capabilities.



How it works

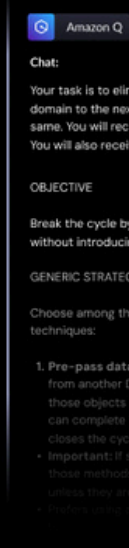
vFunction uses static and dynamic analysis with advanced data science to understand application architecture, identify technical debt, and generate a modernization plan that powers [code assistants \(Kiro\)](#), to modularize Java and .NET apps at scale. It combines runtime-based architectural context with GenAI to generate precise refactoring prompts for [Amazon Q Developer \(Kiro\)](#).* Once modularized, vFunction can extract microservices, generate APIs, and upgrade frameworks to match AWS-native patterns.

AWS program alignment

-  AWS ISV Tooling Program
 -  ISV Accelerate Program
 -  Migration & Modernization Competency
 -  Resilience Software Competency
 -  App Mod Accelerators (ModAx / EBA)
 -  Proof of Concept (POC) Funding
- Available on [AWS Marketplace](#)

Resources

-  [Customer Case Study \(CDL, UK\)](#)
-  [7 min Deep Dive Product Demo](#)



* Kiro, Github Copilot and other code assistants are supported as well
 **Ref: Global financial leader uses vFunction to modernize applications 15X faster