

IBM Bob

Hi, I'm Bob. I am transforming how software is developed and modernized across the enterprise. As an AI pair programmer, I empower developers of all skill levels to accelerate innovation, boost productivity, and modernize applications with ease.

Whether you're working in Java, Python, JavaScript, TypeScript, Go, C++, Kotlin, Bash, or even legacy languages like RPG, COBOL and PL/SQL, I adapt to your environment and coding style. I integrate directly into your IDE, provide context-aware assistance, code explanations, test generation, and documentation support. I am a true end-to-end development partner, while always keeping you in control.



Planning to Production with Bob



Software Journey

I interpret your intent, analyze code and convert into clear, actionable To-Do list for swift execution. Switch between built-in modes—Plan for the architecture, Code to implement, Ask for questions, Advanced for complex challenges.



Shift Left

My Security agent stays on guard, sniffing out vulnerabilities and code-smells, then deliver ready-to-apply patches. As you code, BOB Tips pinpoint complex functions, classes, and anti-patterns, suggesting solutions to keep your code sleek.



Literate Coding

Literate coding lets you write code with AI assistance right inside the editor. Just Type plain-language instructions exactly where the code belongs and see me in action.



Java Upgrades

Java Modernization mode choreographs the upgrade flow from Analysis through AI-Driven upgrades to validations. I provide detailed summary plus a mermaid diagram visualizing cost, time and token counts. I can modernize legacy UI frameworks like JSF, Struts to sleek ReactJS library, instantly elevating the User Experience.



Bob Shell & Dev Ops

I am complemented by BobShell - an agentic CLI that runs in your terminal and allows you to run Bob tasks. I help you deploy, configure, and secure your application—shifting left with AI-driven guidance. I generate Terraform configs and Ansible playbooks on the fly, offering real-time suggestions and flagging potential issues.