



IBM BOB, AI PARTNER ACROSS THE SOFTWARE DEVELOPMENT LIFECYCLE

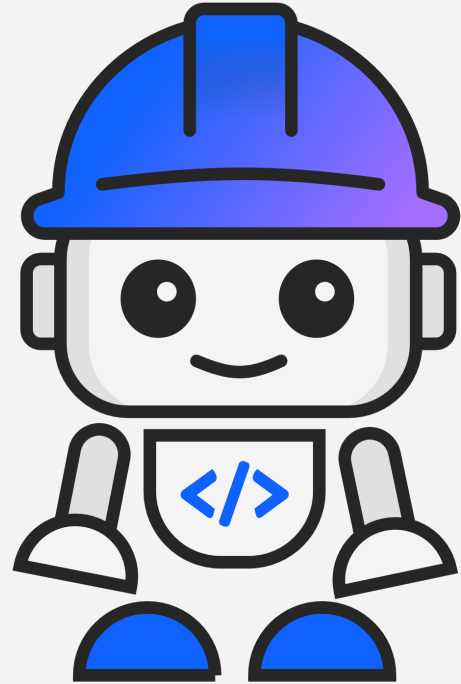
Sandro Corsi

TEC Technology Account Technical Leader
Data & AI Architect · IBM Technology

Hello, Bob!

Sandro Corsi
Account Technical Lead
IBM Lugano

sandro.corsi@ch.ibm.com



Developers need AI across the entire SDLC

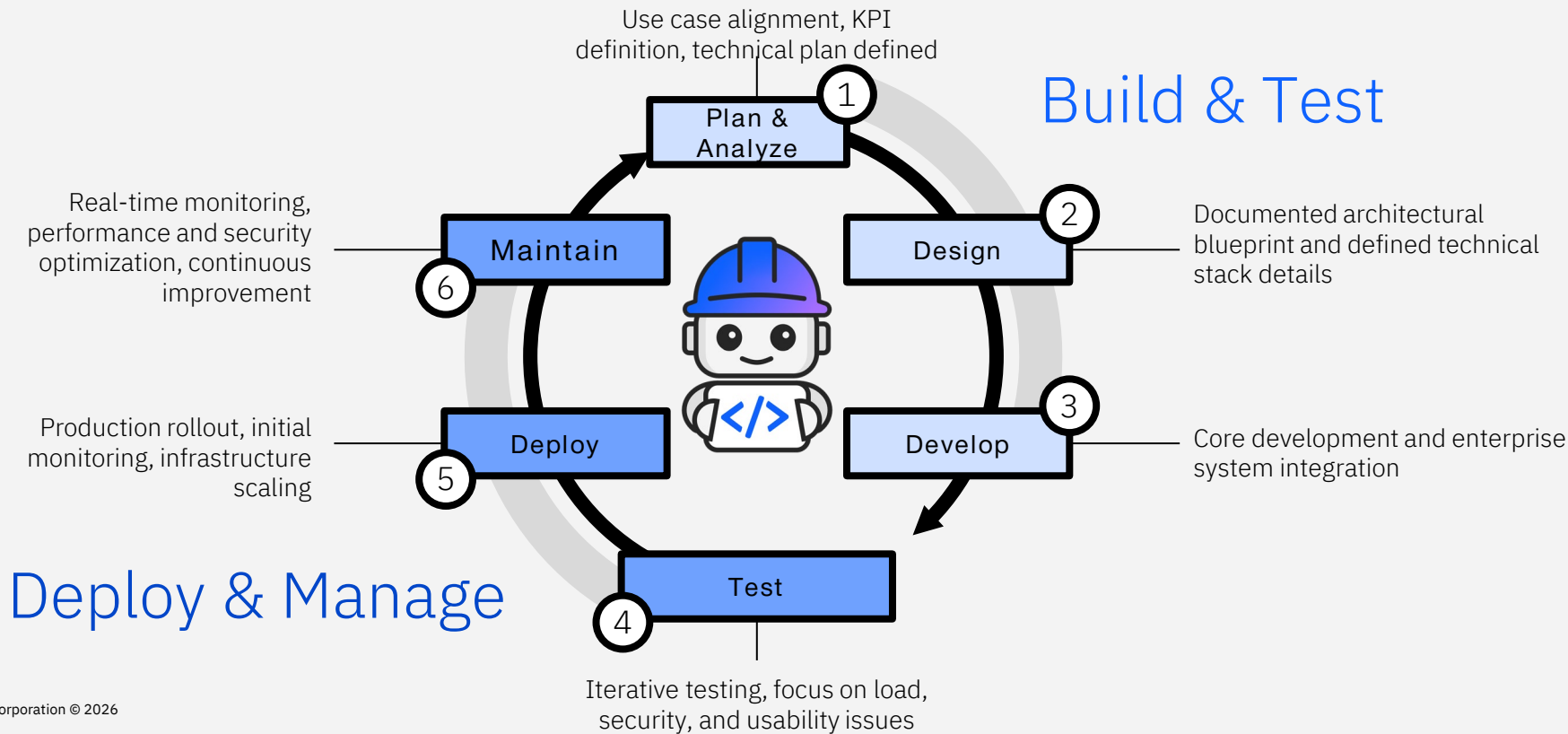
Execute multi-step workflows, not just suggestions Outcomes require orchestration, retries, and validation, not one-off prompts.	Operate across the full SDLC within existing environments Value is unlocked when AI operates inside existing delivery pipelines, not alongside them.	Understand entire repositories, not isolated files Safe orchestration requires repository-level context, not just single-file reasoning.	Embed governance, security and human oversight by design Enterprise AI must enforce policy, security and accountability as work happens.
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95%

of IBM's AI-assisted development involved complex or multi-step workflows, not isolated code completions*

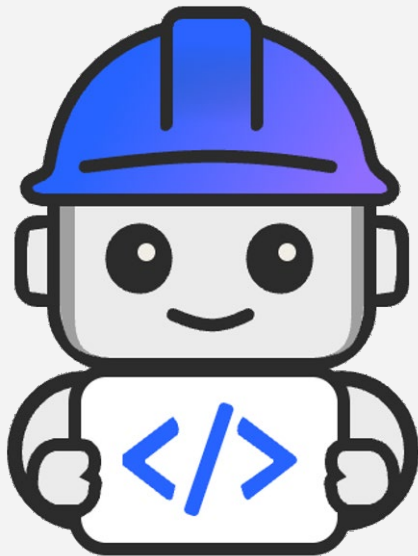
Introducing IBM Bob, the AI partner across the SDLC

Delivering AI across the SDLC requires a different architecture. Bob is built for that.



IBM Bob

The Enterprise Agent Harness for the SDLC



Trusted AI platform

Technical capability: Enterprise Agent Harness, Governed Security Framework, BobShell

What it does: Plans, codes, tests, and secures enterprise applications with built-in governance.

Client value: Accelerates delivery while maintaining security, governance, and operational control.

Enterprise Connectivity & Intelligence

Technical capability: MCP Integration; Enterprise & Targeted Platform Intelligence

What it does: Connects AI securely to enterprise applications, APIs, databases, tools, and SDLC workflows.

Client value: Reduces complexity and gives AI deeper understanding of applications and dependencies.

Agentic Runtime & Orchestration

Technical capability: Parallel Tool Calling & Subagents; Multi-Model Routing

What it does: Executes complex tasks in parallel and routes work to the best-fit model.

Client value: Improves speed, quality, and cost efficiency for complex engineering workflows.

Knowledge & Personalization

Technical capability: Skills Framework; Custom Modes

What it does: Applies reusable domain expertise, workflow patterns, and role-based behaviors.

Client value: Scales best practices across teams with more consistent outcomes.

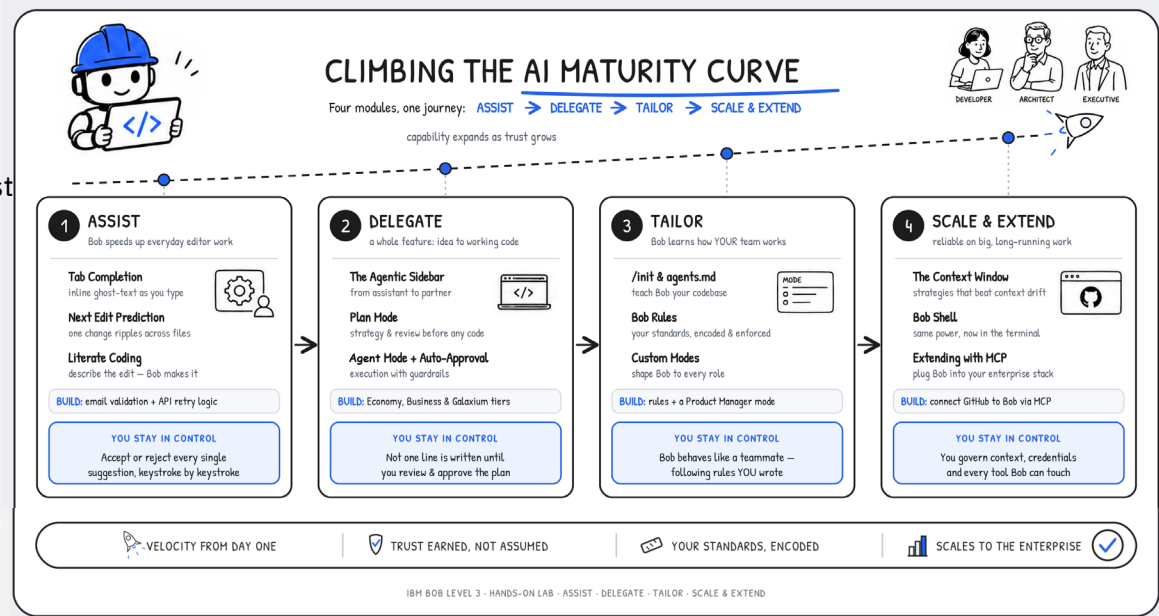
Operations & Scale

Technical capability: Deployment Environment Types; Bobalytics

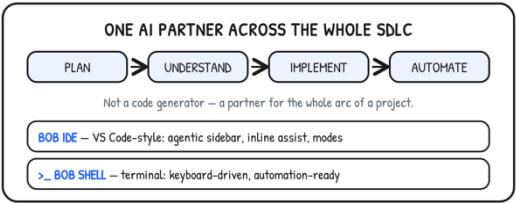
What it does: Provides usage monitoring, cost analytics, telemetry, and flexible enterprise deployment.

Client value: Gives teams visibility into adoption, performance, and cost at scale.

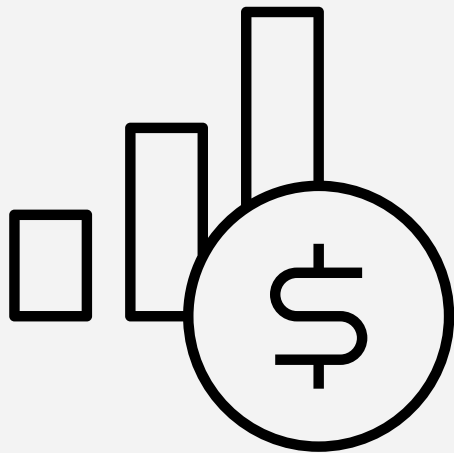
Climbing the AI Maturity Curve



Stage	What it means for your developers —and your clients
Assist	Bob accelerates everyday work in the editor, and you accept or reject every change. Velocity from day one with near-zero risk.
Delegate	Bob takes a whole feature from idea to working code, but builds only what you've reviewed and approved first.
Tailor	Bob learns your codebase, enforces your standards, and adapts to each role, so it behaves like a teammate who already knows how you work.
Scale & Extend	Bob stays reliable on large, long-running work and plugs into the tools your enterprise already runs.



The Simplest Way to Improve your ROI



1. Model Routing

Bob chooses the best model for the task

Reduces token spend / costs

Improves performance / speed

2. Cost Visibility in the UI

Developers are responsible for their Bob Coins (tokens) consumption

3. Bobalytics

Managers see Bob usage by company/team/user

Managers can limit Bob Coins usage by team/user

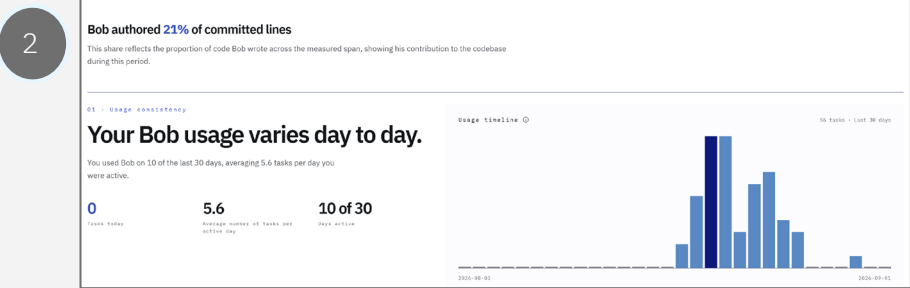
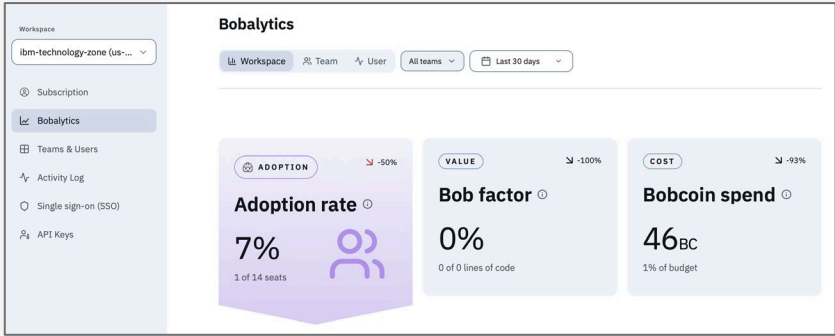
Developers see own and own team's Bob usage

Bobalytics + Admin UI

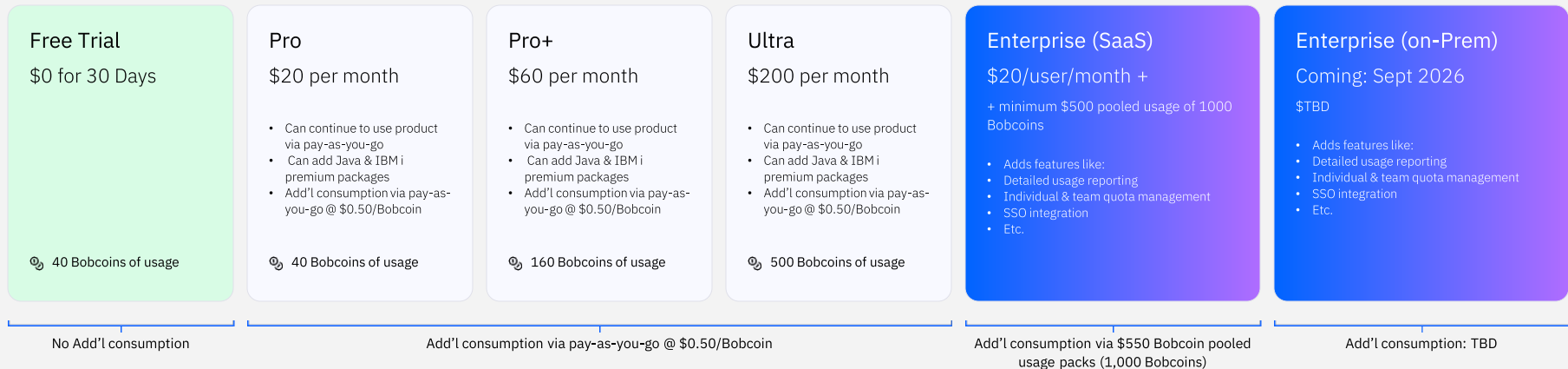
As of August 27, 2026

Enterprise Admin UI offers new capabilities

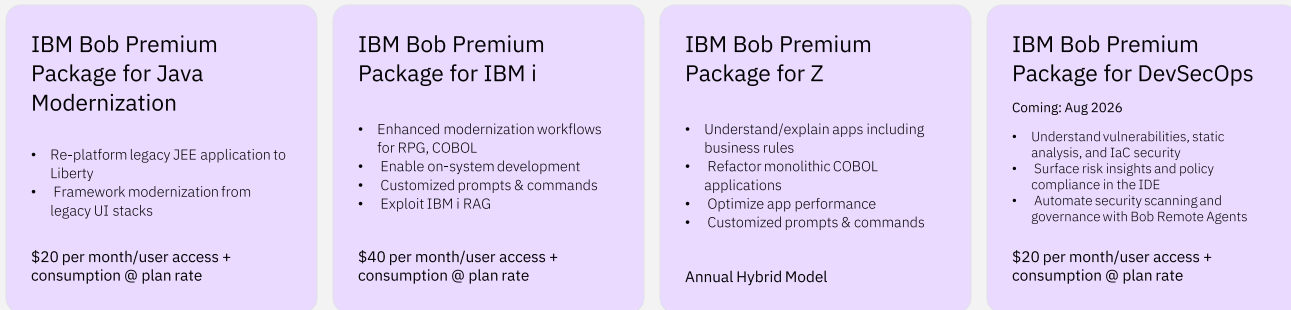
- 1. Updated Bobalytics Metrics
- 2. Bobalytics Insights
- 3. View of User and Team assignments
- 4. Activity Log
- 5. SIEM Configuration



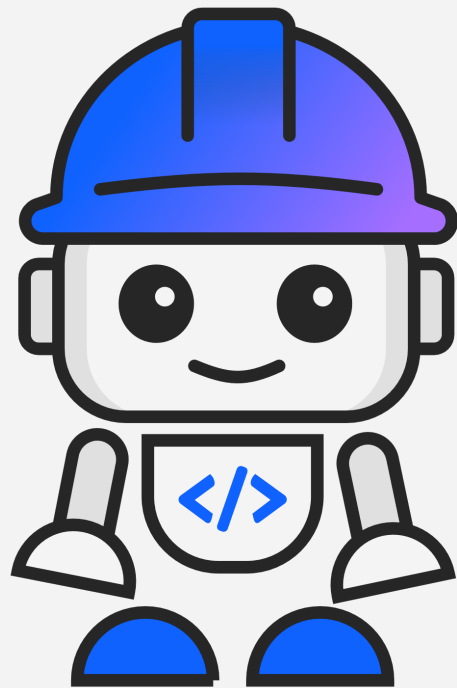
Bob Plans and Pricing



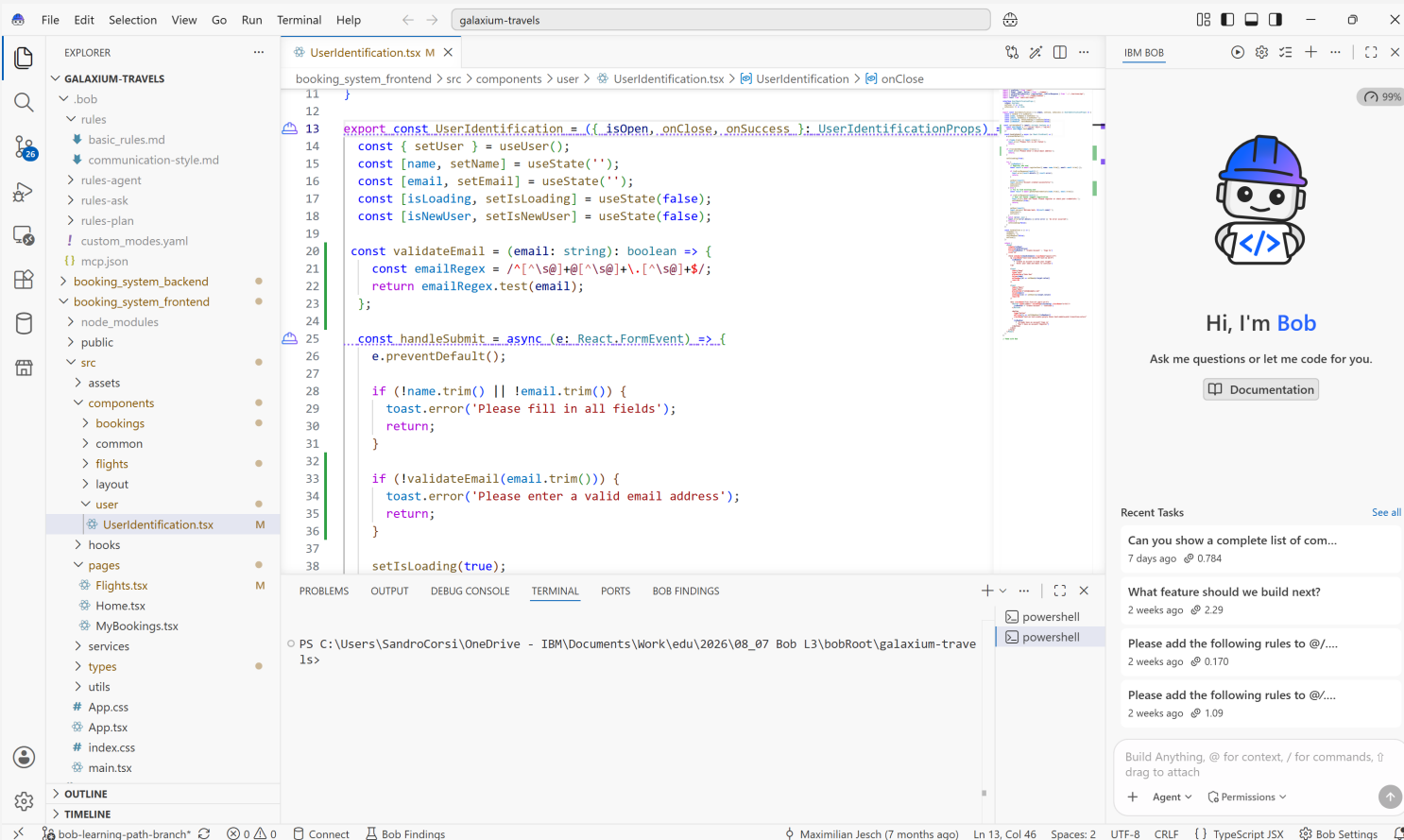
Premium Packages



Demo



Bob IDE based on VSCode

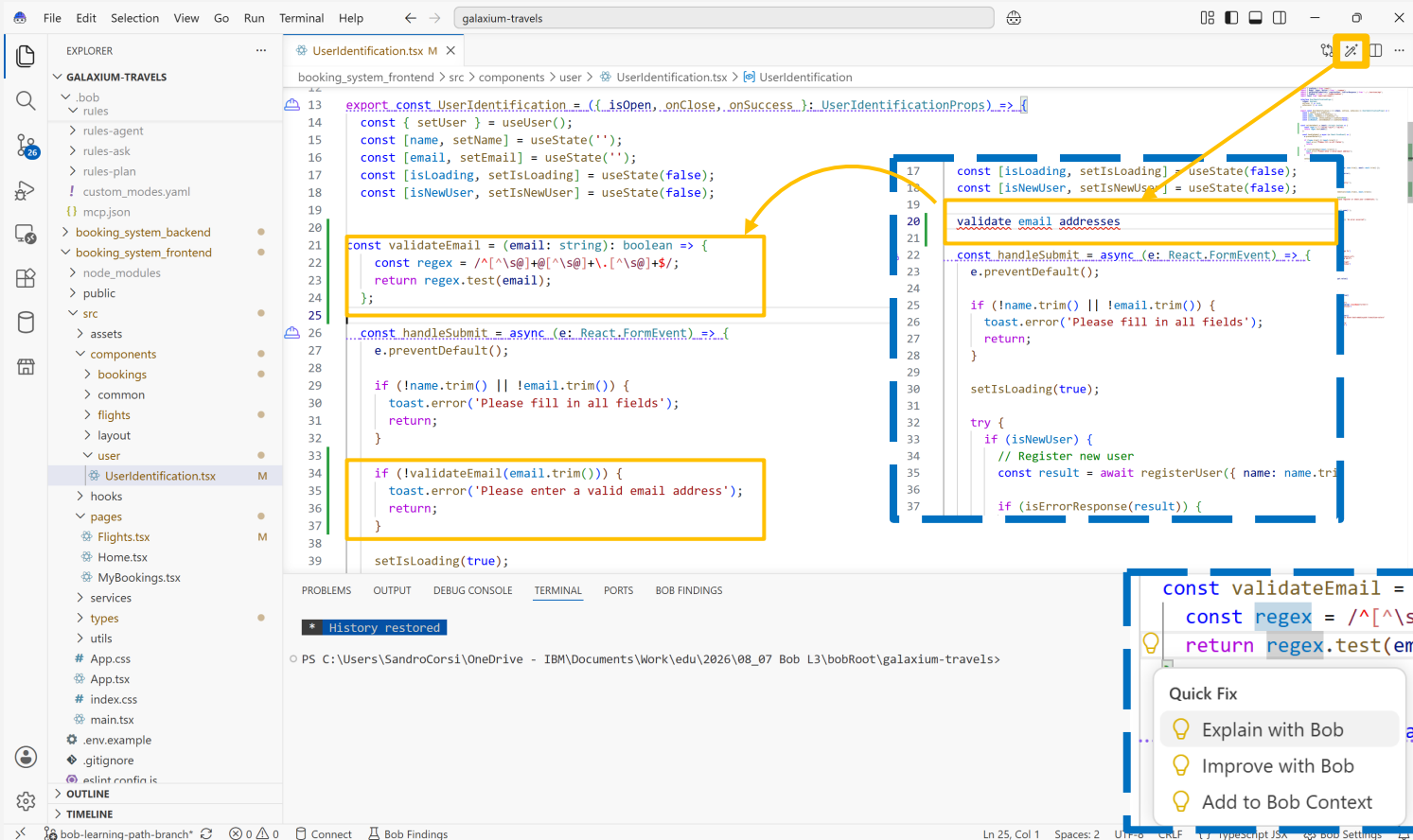


- VSCode is a popular, widely used IDE
- Extensible for different requirements
- Multi language support
- Zero / low learning curve

Coming soon:

- ACP Support (Agent Client Protocol)
- IntelliJ support
- VSCode extension

AI Maturity Curve: Assist – Literate Coding



Literate Coding

- Write text in natural language inside a single file
- Press the magic wand (or Ctrl-I)
- Review the generated code

Code Explanation

- Let Bob
- Explain
- Improve
- Fix code

AI Maturity Curve: Delegate – Agentic Sidebar + Modes

The image displays the IBM Bob IDE interface, which is designed for AI-assisted development. The main window is divided into several panels:

- EXPLORER:** Shows the project structure for 'galaxium-travels', including folders like 'rules', 'rules-agent', 'rules-ask', 'rules-plan', 'custom_modes.yaml', 'mcp.json', 'booking_system_backend', 'booking_system_frontend', 'node_modules', 'public', 'src', 'assets', 'components', 'bookings', 'common', 'flights', 'layout', 'user', 'hooks', 'pages', 'services', 'types', 'utils', 'App.css', 'App.tsx', 'index.css', and 'main.tsx'.
- Code Editor:** Displays the 'UserIdentification.tsx' file, showing a React component with state management and validation logic.
- Terminal:** Shows the command prompt with the current directory set to 'C:\Users\SandroCorsi\OneDrive - IBM\Documents\Work\ec...'. The terminal output shows 'ls'.
- Bob Sidebar:** A vertical sidebar on the right side of the IDE, featuring a chat window with a character named 'Bob' (a blue robot wearing a hard hat). The chat window shows a conversation about 'Galaxium Travels' and 'Economy class, a Business class, and a Galaxium class'. The sidebar also includes a 'Documentation' button and a 'Recent tasks' section.
- Modes Menu:** A dropdown menu that appears when the 'Modes' button is clicked. It lists various modes: 'Agent' (selected), 'Plan', 'Ask', 'product-manager', and 'Search modes...'. The 'Agent' mode is highlighted with a checkmark.
- Permissions Panel:** A panel on the far right that allows users to manage permissions for the current task. It includes a section for 'Auto-approve Permissions' and a list of permissions (Read, MCP, Skill, Subagent) that can be granted or denied.

Red arrows highlight the 'Modes' button in the top right corner of the IDE, the 'Agent' mode in the Modes menu, and the 'Permissions' button in the Permissions panel. A blue box highlights the chat window in the Bob sidebar.

Sidebar

- Start new tasks
- Enter prompts
- Change mode
- Manage permissions

Code changes may affect the entire project

I want different classes of seats for Galaxium Travels. There is supposed to be an Economy class, a Business class, and a Galaxium class. Help me make a plan to implement this.

Can you show a complete list of com... 7 days ago @ 0.784

What feature should we build next? 2 weeks ago @ 2.29

Please add the following rules to @/... 2 weeks ago @ 0.170

Please add the following rules to @/... 2 weeks ago @ 1.09

Build Anything. @ for context, / for commands, ⬇ drag to attach

Auto-approve Permissions

Permissions granted here apply only to this task. To manage permissions across all tasks, go to settings

Read

MCP

Skill

Subagent

Auto-approve

Follow up

Ask

Permissions

AI Maturity Curve: Tailor – Init, Rules, Custom Modes

EXPLORER

- GALAXIUM-TRAVELS
 - .bob
 - rules
 - basic_rules.md
 - communication-style.md
 - rules-agent
 - AGENTS.md
 - rules-ask
 - AGENTS.md
 - rules-plan
 - AGENTS.md
 - custom_modes.yaml
 - mcp.json
 - booking_system_backend
 - booking_system_frontend
 - internal-monologue
 - .gitignore
 - AGENTS.md
 - bobDoc.md
 - LICENSE
 - README.md
 - seat-classes-plan.md
 - start.sh

communication-style.md

```
.bob > rules > communication-style.md > ...
2 # Communication Style Preferences
17 ## Honesty, calibrated
23
24 ## Ground answers in research
25
26 - Research when the facts are volatile, version-specific, or a wrong answer is costly -
27 then use every tool available: web search, code analysis, documentation.
28 - Otherwise answer from what you know, and flag your confidence rather than stalling on
29 research that adds nothing.
30 - Do not accept "I think" or "probably" for load-bearing claims - verify them.
31 - Skip research when the user has already justified a choice, cited their own validation,
32 stated a business requirement, or voiced a subjective preference.
33
34 ## Be honest about sources
35
36 - Separate what you verified from what you inferred. Say which is which.
37 - Do not fabricate confidence, citations, or benchmark numbers. "I don't know, here's how
38 to find out" beats a confident guess.
39
40 ## Common anti-patterns to call out
41
42 - **Overengineering** - name it directly, explain why, offer a simpler concrete alternative.
43 - **Contradictions** - surface them specifically and ask which requirement wins before
44 proceeding.
45 - **Excessive detail too early** - redirect to the core problem and constraints; save
46 specifics for implementation.
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS BOB FINDINGS

PS C:\Users\SandroCorsi\OneDrive - IBM\Documents\Work\edu\2026\08_07 Bob L3\bobRoot\galaxium-trave

1>

Teach Bob your codebase

- `/init`
 - generates `AGENTS.md`
- File is added to context of every prompt
 - lower token consumption

Teach Bob how to behave

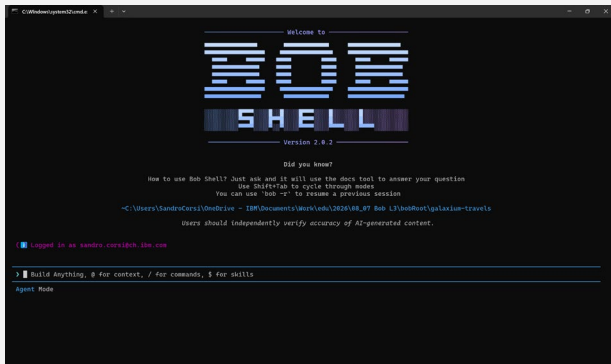
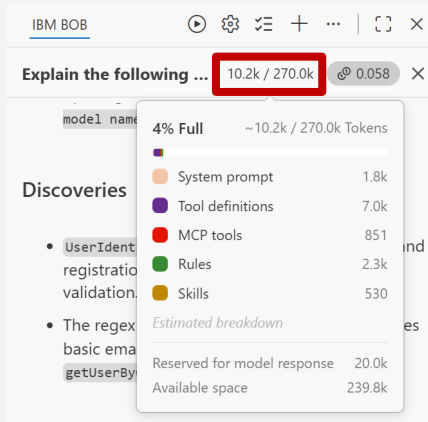
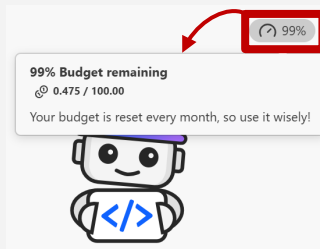
- Custom Rules

Define new Roles

- Create custom modes
- Assign specific skills and permissions
- Describe expected behavior and expertise

Define modes and rules at **project** or **global** level

AI Maturity Curve: Scale & Extend – Context, Bob Shell, MCP



Context

- Contains all data sent to Bob Backend for analysis
- Fills with:
 - System prompts
 - Mode desc.
 - Rules
 - MCP Tools
 - Messages
 - File Read/writes
- Limited in size (270 Tokens)
 - Auto-summarized when full
- Developer has visibility over token spend and context content

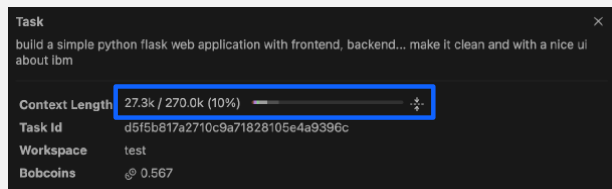
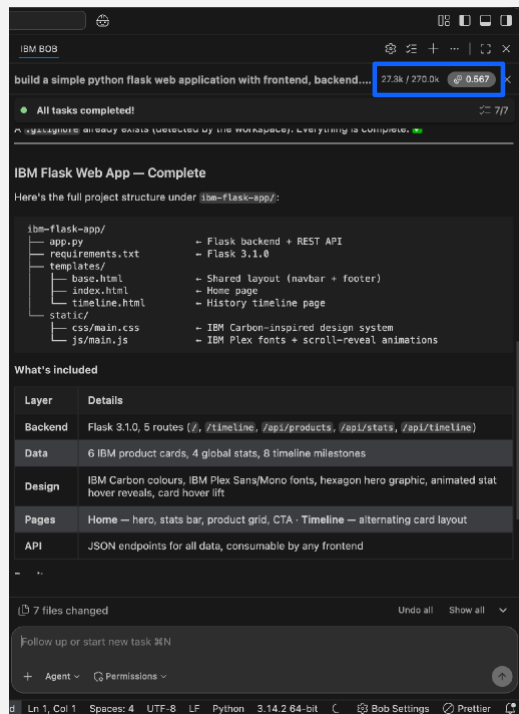
Bob Shell

- Bob's command line interface (CLI)
- Headless mode (for scripting)
- Same scope as IDE
- Seamless switch between IDE and CLI

MCP (Model Context Protocol)

- Add new MCP servers
- Access external tools, services, data sources

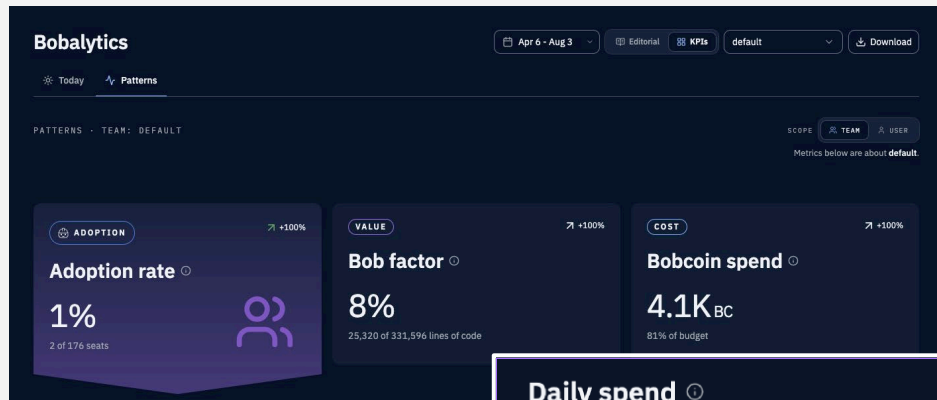
Bob makes AI consumption visible directly in the developers IDE. By seeing their usage while working, engineers become more aware of the cost of each interaction and can actively optimize how they use Bob.



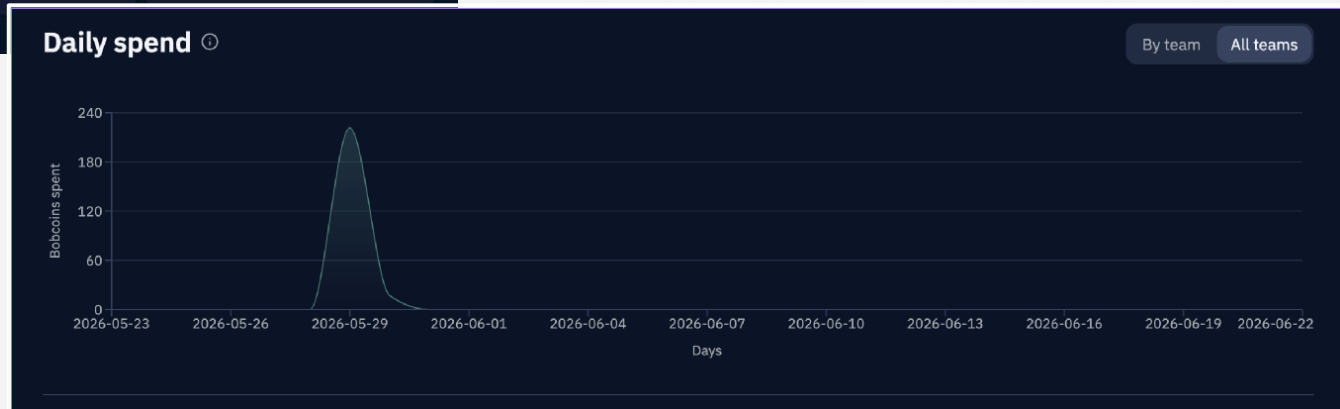
The context window indicator shows how much context is currently being used, helping engineers recognize when conversations become unnecessarily large and costly.

Bobalytics: Monitor Bob Usage & Cost

Bobalytics provides analytics and insights into how IBM Bob contributes to the software development process. It helps organizations understand Bob's impact, track Bobcoin spending, and monitor adoption across teams.



Team details and trends							Trends
Team	Adoption Rate	Active Users	Bob factor	Bob LOC	Total LOC	Bobcoin Spend	
SRE	20%	3/15	0.51%	4,914	962,459	87.73 BC	
Backend team	16.67%	3/18	1.86%	18,303	982,263	86.50 BC	
Analytics Team	17.65%	3/17	1.26%	26,474	2,097,087	64.31 BC	
Design team	0%	0/0	0%	0	0	0.00 BC	
Front End team	0%	0/2	0%	0	0	0.00 BC	
Product Management	0%	0/1	0%	0	0	0.00 BC	



Bobalytics: Control and Optimize Bobcoin Spend

Bobalytics helps teams monitor Bobcoin consumption and identify where usage is increasing. By comparing spend with Bob factor and adoption, teams can better understand whether higher costs are translating into value. Admins can also set an overage limit in the subscription settings to cap additional Bobcoin spend.



