

# Agentforce and Code Analyzer - A Dev Essential

Your AI Co-Pilot for Cleaner, Faster Code



# Forward looking statements

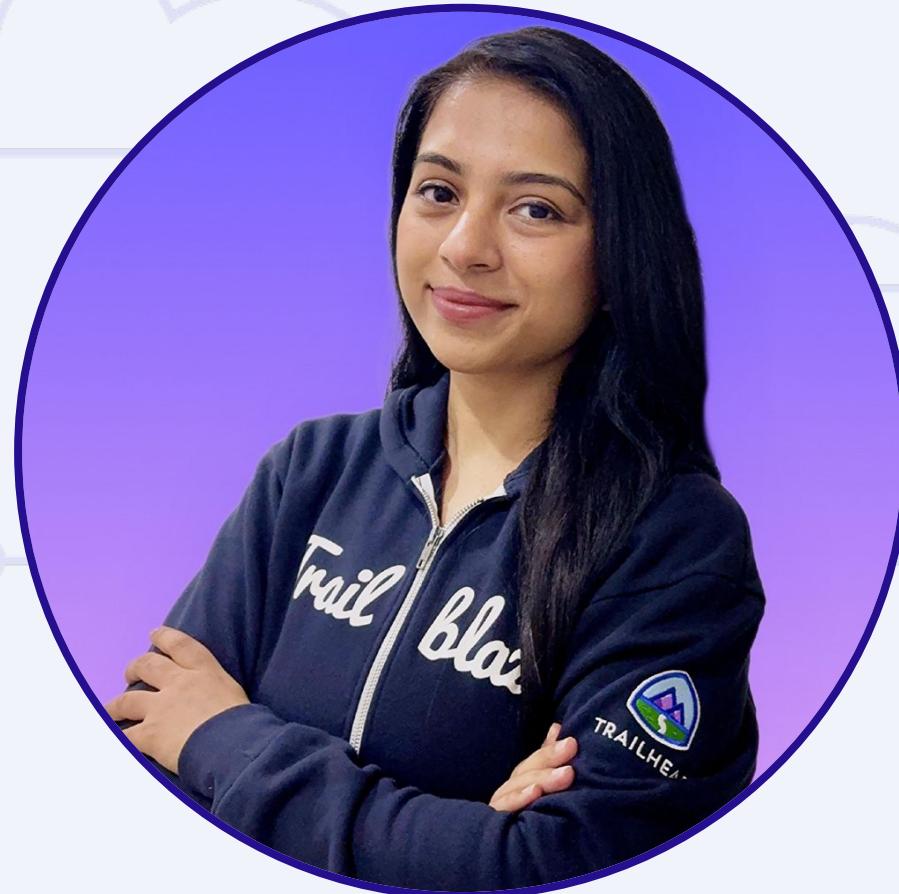


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THANK  
you



# Get to know us



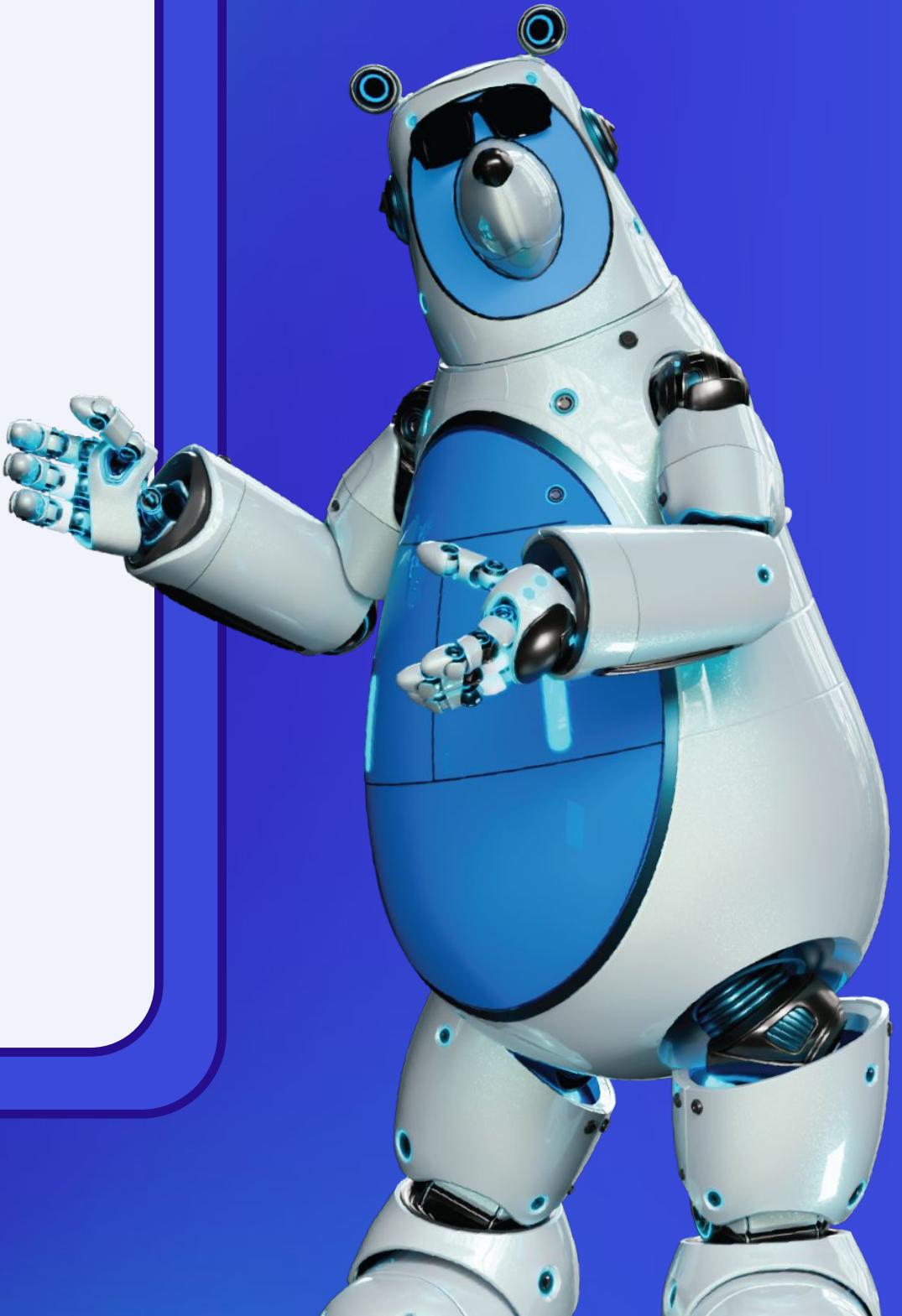
**Monika Ramchandani**  
Sr. Salesforce Developer, Icreon



**Kapil Batra**  
Product Owner (Salesforce.com),  
Teradata

# Agenda for Today

1. Understanding Agentforce for Developers
2. Overview of CodeGen LLM
3. Salesforce Code Analyzer: Introduction and How It Works
4. Installation & Live Demo
5. Key Takeaways
6. Q & A





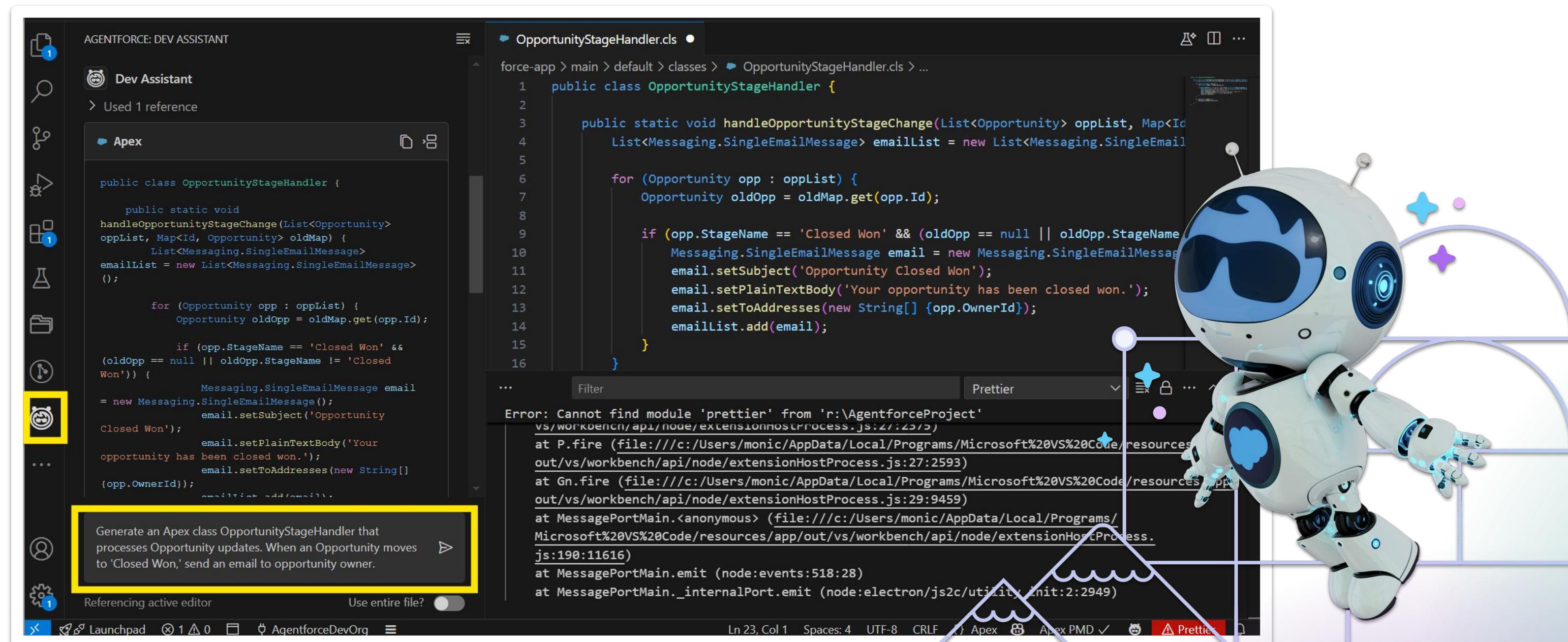
# What is Agentforce for Developers?

Turn your ideas into code effortlessly—just describe it, and AI builds it for you!

salesforce

AI-powered suggestions help you write, review, and ship better code without breaking your flow.

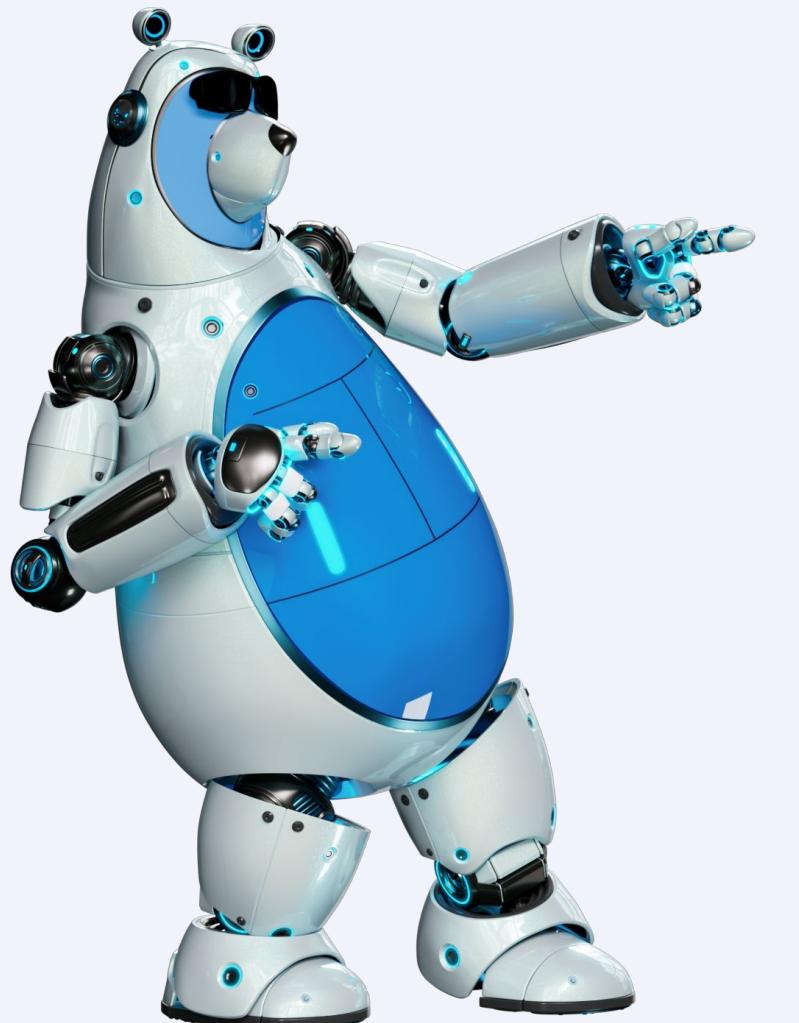
Helps new developers onboard quickly with boilerplate code and guidelines.



# CodeGen & xGen-Code

Salesforce's in-house LLM

We all know Salesforce doesn't joke when it comes to trust and governance.



Sustainability

Accuracy

Trust & Security





# What is Salesforce Code Analyzer?

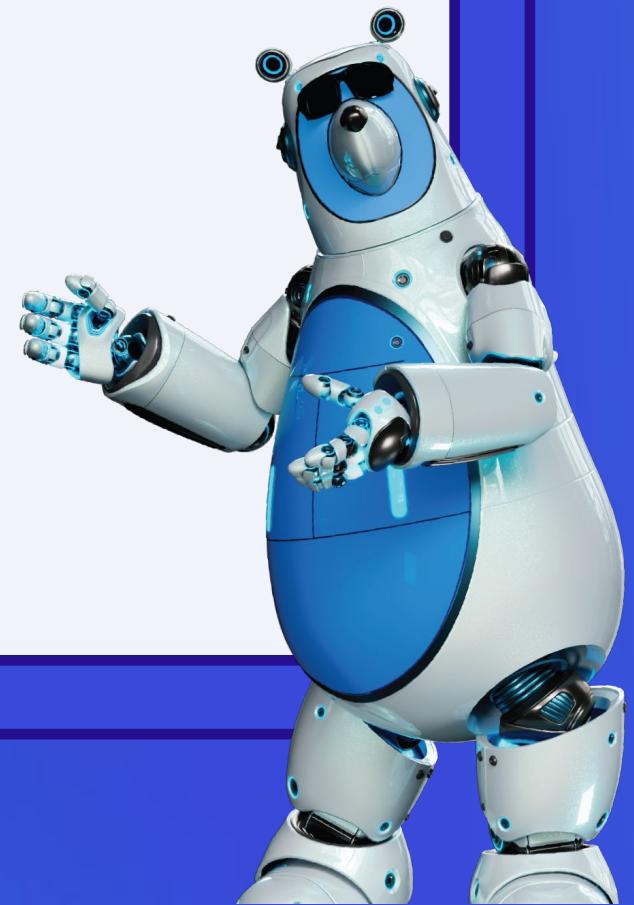
# How does it help developers in VS Code?



Scans your Salesforce project code (Apex, LWC, Visualforce) directly in VS Code for errors, security risks, and code smells.

Highlights issues in the terminal output and lets you view them in a structured format like table, JSON, or CSV.

Helps you maintain clean, secure, and optimized code by running customizable rules and rulesets during development.



# From Natural Language to Code

How does it actually works?

Write an Apex class  
OpportunityService  
with a method  
getTopOpportunities  
that returns the top 5  
opportunities by  
amount and make it  
available for a LWC  
component



Gathering Information



Send details to LLM

```
AGENTFORCE:DEV ASSISTANT
force-app/main/default/classes/OpportunityStageHandler.cs
Public class OpportunityStageHandler {
    public static void handleOpportunityStageChange(List<Opportunity> oppList, Map<String, List<Messaging.SingleEmailMessage>> emailList = new Map<String, List<Messaging.SingleEmailMessage>>();
    ...
}

OpportunityStageHandler.apex
public class OpportunityStageHandler {
    public static void handleOpportunityStageChange(List<Opportunity> oppList, Map<String, List<Messaging.SingleEmailMessage>> emailList = new Map<String, List<Messaging.SingleEmailMessage>>();
    ...
}

OpportunityStageHandler.cls
public class OpportunityStageHandler {
    public static void handleOpportunityStageChange(List<Opportunity> oppList, Map<String, List<Messaging.SingleEmailMessage>> emailList = new Map<String, List<Messaging.SingleEmailMessage>>();
    ...
}
```

Generated Code

Writing Prompt

# How to install Agentforce for Developers?



The screenshot shows the Visual Studio Code interface with the Extensions Marketplace open. A search bar at the top has "agentforce" typed into it, with a yellow box highlighting the search term. Below the search bar, the "Agentforce for Developers" extension is listed first, with its icon and details visible. A yellow arrow points from the search bar to the extension's listing. To the left of the main content area, there is a sidebar with various icons, one of which is highlighted with a yellow box.

**Extension: Agentforce for Developers**

**Agentforce for Developers**  
Extension for developing on the Salesforce Platform with the help of generative AI

Salesforce salesforce.com | 317,903 | ★★★★☆(9)

Disable | Uninstall | Auto Update

**Agentforce For Developers**

**Overview**

Agentforce for Developers is an AI-powered developer tool that's available as an easy-to-install Visual Studio Code extension, built using CodeGen and xGen-Code, the

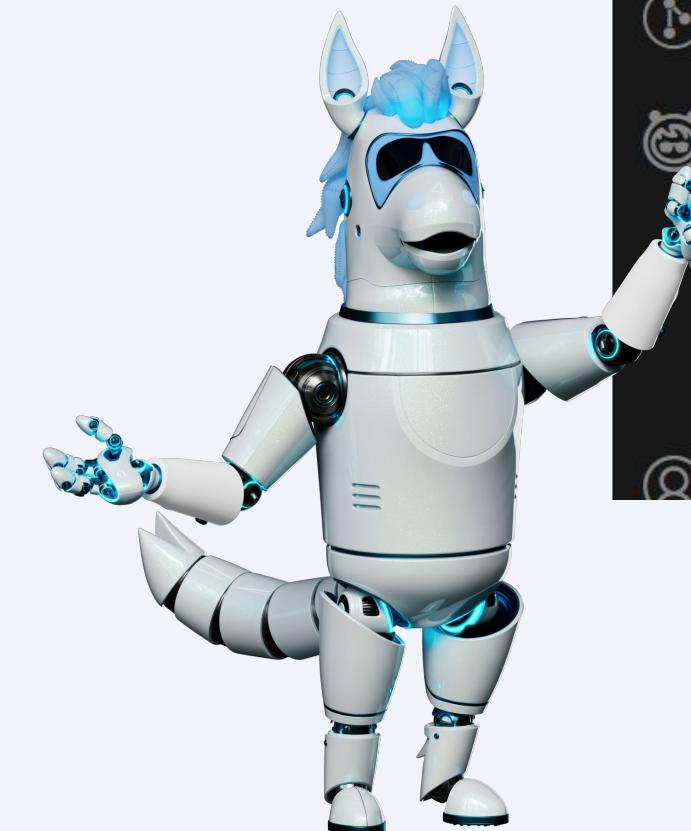
**PROBLEMS** 10 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS | HISTORY | Filter (e.g. text, \*\*/\*.ts, !\*\*/node\_modules/\*\*)

myFirstLWC.test.js force-app/main/default/lwc/myFirstLWC\_\_tests\_ 1

updateOpportunity.cls force-app/main/default/classes 9

Sev3: Apex classes should declare a sharing model if DML or SOQL/SOSL is used pmd via Code Analyzer(ApexSharingViolation)

Apex classes should declare a sharing model if DML or SOQL is used (rule: Security-ApexSharingViol... apex pmd(ApexSharingViolation))



# How to install Code Analyzer?



The image shows the Visual Studio Code (VS Code) interface with several extensions installed. A yellow box highlights the 'EXTENSIONS: MARKETPLACE' section in the sidebar, which contains a search bar and a list of extensions. The 'Salesforce Code Analyzer' extension by Salesforce is selected, showing its details: it has 251,449 installs and a 5-star rating. A yellow box also highlights this extension's page. The main workspace shows an Apex class named 'updateOpportunity.cls' and a terminal window. The bottom of the screen displays the 'PROBLEMS' tab with 10 items, including one for 'myFirstLWC.test.js'. The right side of the interface shows the 'Installation' details for the 'Salesforce Code Analyzer Extension for Visual Studio Code'.

File Edit Selection View Go Run ... ← → AgentforceProject

EXTENSIONS: MARKPLACE

salesforce code

Salesforce Code Analyzer 50ms  
Salesforce Code Analyzer is a unified tool for source code analysis. Run Code Analy...  
Salesforce

Salesforce Code 2K ★ 5  
Tools for Salesforce Development  
LEXANDANT Install

Salesforce Code Snip... 27K ★ 5  
Custom snippets for Salesforce pla...  
Helpers Install

Salesforce Package.... 304K ★ 4  
Extension for generating Package....  
Vignaesh Ram A Install

Salesforce Code Snipp... 2K ★ 5  
Code Snippets for Apex and LWC (...  
Gurjit Singh Install

Salesforce code snippets 1K

Salesforce Code Analyzer

Salesforce salesforce.com 251,449 ★★★★☆(3)  
Salesforce Code Analyzer is a unified tool for source code analysis. Run Code Analy...  
Disable Uninstall Auto Update

This extension is enabled for this workspace by the user.

DETAILS FEATURES CHANGELOG DEPENDENCIES

Salesforce Code Analyzer Extension for Visual Studio Code

Scan your code against multiple rule engines to produce lists of violations and improve

PROBLEMS 10 OUTPUT DEBUG CONSOLE TERMINAL PORTS HISTORY Filter (e.g. text, \*\*/\*.ts, !\*\*/node\_modules/\*\*)

JS myFirstLWC.test.js force-app/main/default/lwc/myFirstLWC\_\_tests\_ 1  
LWC1702: LWC [Ln 1, Col 10]

Installation

Identifier salesforce.vscod...  
Version 1.5.0  
Last 2024-01-18T12:00:00Z



# Why fix bugs later when AI can stop them now?

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# Q&A

