

# TECHNICAL SCREENING TASK INSTRUCTIONS

Fenrir Security Private Limited

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## 1. TASK OBJECTIVE

Build a portable desktop release of **Visual Studio Code** (<https://github.com/microsoft/vscode>) that embeds the open-source AI coding extension **Cline** (<https://github.com/cline/cline>) as a native part of the editor. The end goal is a single executable file that a user can run on a clean machine and get a fully working VS Code with Cline already inside it, with no trace of it being a separately installed extension.

The build must meet all of the following:

- **Cline loads automatically on first launch.**
  - It must activate the moment VS Code opens, without the user doing anything. It should be embedded into VS Code's built-in extensions layer, not the user extensions folder.
- **Cline is invisible in the Extensions UI.**
  - It must not show up in the Extensions panel, installed extensions list, or Marketplace. There should be no way for a user to find, disable, or uninstall it through normal VS Code UI.
- **Everything feels like one product.**
  - Cline's sidebar, commands, and keybindings must work exactly as they do in a standard installation. VS Code itself must also be fully functional with no regressions in any core feature.
- **Single portable executable.**
  - The deliverable is one file. On Windows, a single **.exe**. On macOS, a signed **.dmg** or notarised **.app**. Running it on a clean machine must be enough to get a working environment with no extra steps.

*Cline is an autonomous AI coding agent that can read and write files, run terminal commands, and handle multi-step engineering tasks. Candidates are expected to study both the Cline source and VS Code's extension host internals to figure out how to couple them tightly into one build.*

## 2. TIMELINE AND DEADLINE

- Start time: 22 February 2026, 10 AM IST.
- Deadline: 23 February 2026, 10 AM IST. You have 24 hours.
- Late submissions will not be considered.

### 3. REQUIRED DELIVERABLES

Submit both of the following:

- **A. Loom Video (2 to 4 minutes)**

- A single continuous screen recording with no cuts.
- The recording must show all of the following in order:
  - 1) The portable setup file (.exe or .dmg/.app), confirming it is a single file.
  - 2) First launch on a clean system with no prior VS Code installed.
  - 3) Cline working inside VS Code. Open the panel, give it a real task such as writing a function or editing a file, and show it completing the task end to end. The AI response must actually come through, the file changes must be visible, and the whole flow must work as it would in a normal Cline installation.
  - 4) The Extensions panel open, confirming Cline does not appear in it.
  - 5) A quick check that standard VS Code features still work (open a file, use the terminal).

- **B. The Executable File**

- The compiled .exe (Windows) or .dmg / .app (macOS), either attached to the email or shared via a private Google Drive link.
- Running it on a clean machine must result in a working VS Code and Cline setup with nothing else required.
- Do not submit source code, build scripts, or any other files. The video and the executable are all that is needed.

### 4. SUBMISSION GUIDELINES

- Send an email to **hr@fenrir-security.com** with the subject line:

Technical Round 1 Submission - Full Stack Intern - {Your Name}
- Without this exact subject line the submission will not be registered.
- Include the Loom link and the executable file in the email.
- Do not upload anything to GitHub, public drives, or any public repository. Doing so will result in immediate disqualification.

### 5. CONFIDENTIALITY AND INTEGRITY

- Do not share, publish, or discuss any part of this task or your approach publicly, during or after the process.
- Fenrir Security may run a live verification session in Round 2 where you walk through your implementation and answer questions about the technical decisions you made.

- Plagiarism or an inability to explain your own solution will result in disqualification.

## **6. DISQUALIFICATION CRITERIA**

- Submission received after the deadline.
- Loom video is missing, incomplete, or edited.
- Cline is visible in the Extensions panel or can be removed through normal UI.
- The executable does not run on a clean machine without extra setup.
- Public disclosure of any task material or your solution.
- Failure to explain your implementation in Round 2.

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Good luck.