

Code Portfolio Overview:

I am hopeful as I present a glimpse of my coding style and patterns through this project, which I initiated specifically to offer potential employers an insight into my coding style. Because the original project is housed in a private GitHub repository, I have encapsulated select portions of the code within screenshots for your perusal. Furthermore, I am readily available to conduct a comprehensive walkthrough of the complete code via MS Teams or Zoom at your convenience.

Project Description:

This endeavor primarily focuses on streamlining the reporting process for call center customer service supervisors utilizing [Genesys Cloud](#). Envisioned as an intuitive solution, it is designed to allow users to input requisite parameters through a front-end UI (currently under development), which then interacts with the API to generate the desired report. Ultimately, users can download these reports in .PDF format onto their computers for reviewing or printing purposes.

Technical Architecture:

At the core of this project is "Genesphere," a backend module developed using .NET 6 Web API, hosted on an AWS Linux EC2 server. This API serves as a succinct intermediary, orchestrating interactions with services housed within a class library labeled "GenesysCloud".

Coding Philosophy:

In alignment with best practices, the coding style adopted in this project emphasizes readability and maintainability. A few notable features include:

1. A structured approach leveraging a variant of the onion architecture, fostering a clean separation of concerns.
2. Robust logging mechanisms that document failed queries alongside a unique serial number, facilitating efficient defect tracing.
3. The integration of delegates and generics to adhere to the DRY (Don't Repeat Yourself) principle, enhancing the code's conciseness and reusability.
4. Effective error response management facilitated by bubbling up response codes to the API layer, ensuring seamless client-side handling.

Closing Remarks:

I hope these snippets of code can provide a glimpse into what I would offer as a member of your team. I look forward to walking through this code with you, underlining the SOLID principles that are ingrained within. Please note this is my construction but I am willing and able to adopt any patterns developed by your team and this code is presented as reference samples only.