



Av Adolfo López Mateos Nte 95, Italia Providencia, 44648 Guadalajara, Jal. México

www.somosc clear.com

Description of Code Sample:

Please send us a code sample on Github or another platform which demonstrates your skills in web development, both backend and frontend, and includes the use of the following technologies: .NET Framework / .NET Core, Entity Framework / Entity Framework Core, React.

The code sample should be sent to the following e-mails: sarahi.gutierrez@clearcheck.us, gustavo.gallegos@clearcheck.us, brad.simmons@clearcheck.us and stepan.talashov@clearcheck.us.

The subject of the e-mail should be: "Code Sample for Clear: [Insert Your Name] - [Insert Job Title] - [Insert Date in mmddyyyy Format]"

Example: "Code Sample for Clear: Brad Simmons - Mid Full Stack Developer - 08012021"

We will then review the code sample and decide if we proceed to the next phase of the recruiting process.

Optional Alternative to Code Sample:

If you can send us a code sample, you DO NOT need to read the rest of this document.

For candidates who do not have a code sample which meets the requirements above in "Description of Code Sample," we offer the following alternative to proceed with the recruiting process: a practical task.

Please develop a web application for searching and displaying information about movies. The application should include the ability to search movies by one or more criteria and display information about the selected movie.

Functional requirements:

- Each movie must be associated with one or more actors. The search for a movie should work by title, genre, or actor name.
- The search result must be displayed on the same page below the search form.



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Technical Requirements:

- The backend part should be implemented in .Net Core.
- MS SQL Server or MS SQL Server Express should be used as a database.
- Entity Framework Core should be used as an ORM.
- The frontend part should be implemented in React (functional components, not classes).
- Use of modern css/less/sass frameworks will be an additional advantage.
- Presence of tests will be an additional advantage.
- Documentation regarding the description of functionality and deployment process is required.
- All comments and documentation should be written in English.

Additional Notes:

-In order to save your time, we DO NOT require 100% completion of the task. It is much more important for us to see your thoughts and your approach to creating an application architecture. Therefore, stubs, TODO comments may be used if the general train of your thoughts can be obtained by reading the code.

-We believe the ideal implementation of this task would require 12 hours. However, given the previous note that we do not require 100% completion of the task, we ask you to NOT invest more than 7 hours in this task.