

# Skill set and Level

This table describes skill set and level that it is required.

Language/Framework	Level 1	Level 2	Level 3	Level 4	Level 5
<b>Java</b>					
Java Core	<ul style="list-style-type: none"> <li>N/A</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Java tutorial</li> </ul>	<ul style="list-style-type: none"> <li>Logging</li> <li>Data types</li> <li>Collections</li> <li>Input/Output</li> <li>Override Mechanism</li> <li>Security</li> <li>JDBC</li> <li>Beans</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Java Collections</li> <li>Java persistence</li> </ul>	<ul style="list-style-type: none"> <li>Serialization</li> <li>Extension Mechanism</li> <li>Regular Expressions</li> <li>Concurrency</li> <li>Stream APIs</li> <li>Web Services</li> <li>Images I/O</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Java streams</li> </ul>	<ul style="list-style-type: none"> <li>Security</li> <li>Monitoring</li> <li>VisualVM</li> <li>JMC</li> <li>RMI</li> <li>RMI-IIOP</li> <li>JNDI</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Visualvm</li> </ul>	
Spring Framework	N/A <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Spring tutorial</li> </ul>	<ul style="list-style-type: none"> <li>Spring-boot Application               <ul style="list-style-type: none"> <li>Console</li> <li>Web Application</li> </ul> </li> <li>Spring-boot Profiles</li> <li>Spring beans</li> <li>Spring DI</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Spring boot start</li> <li>Spring boot annotations</li> </ul>	<ul style="list-style-type: none"> <li>Scheduler</li> <li>Security               <ul style="list-style-type: none"> <li>Basic Authentication</li> <li>OAuth/OAuth2</li> </ul> </li> <li>Spring MVC</li> <li>Spring REST</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Spring Security</li> </ul>	<ul style="list-style-type: none"> <li>Security SAML</li> <li>Customize Configuration</li> </ul> <b>Material and Assignment</b>	
Spring cloud	N/A <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Spring Cloud tutorial</li> </ul>	<ul style="list-style-type: none"> <li>Eureka Server</li> <li>Eureka Client</li> <li>Feign</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>Spring cloud bootstrapping</li> </ul>	<ul style="list-style-type: none"> <li>Spring Cloud bus</li> <li>Zuul</li> <li>Hytrixscommand</li> <li>Ribbon</li> <li>Event Sourcing</li> </ul>	<ul style="list-style-type: none"> <li>Sagas</li> </ul>	
<b>.NET</b>					
Core .NET FW	<ul style="list-style-type: none"> <li>C# Language Basic &amp; Advanced</li> <li>Framework Fundamentals</li> <li>Assemblies</li> </ul>	<ul style="list-style-type: none"> <li>Collections</li> <li>LINQ</li> <li>XML</li> <li>Application Domains</li> <li>WinForm</li> <li>Disposal &amp; GC</li> <li>Diagnostics and Code Contracts</li> <li>Concurrency and Asynchrony</li> <li>Streams and I/O</li> </ul>	<ul style="list-style-type: none"> <li>Networking</li> <li>Serialization</li> <li>Security</li> <li>Regular Expressions</li> <li>WCF</li> <li>WPF</li> <li>WF</li> <li>WS</li> <li>ASP.NET Web Forms</li> <li>ASP.NET MVC</li> <li>ADO.NET</li> </ul>	<ul style="list-style-type: none"> <li>Reflection and Metadata</li> <li>Dynamic Programming</li> <li>Advanced Threading</li> <li>Parallel Programming</li> <li>Interoperability</li> <li>MAF &amp; MEF</li> <li>GDI/GDI+</li> <li>EF</li> </ul>	
.NET Core	<ul style="list-style-type: none"> <li>C# Language Basic</li> <li>Nuget Packages</li> </ul> <b>Material and Assignment</b> <ul style="list-style-type: none"> <li>.NET Core Tutorials</li> </ul>	<ul style="list-style-type: none"> <li>Collections</li> <li>Entity Framework Core</li> <li>LINQ</li> <li>Configuration and Logging</li> <li>Unit testing</li> <li>Globalization and Localization</li> <li>Concurrency</li> </ul>	<ul style="list-style-type: none"> <li>IoC / DI</li> <li>Host &amp; deploy</li> <li>ASP.NET Core MVC</li> <li>ASP.NET Core Web API</li> <li>WCF (Client only)</li> <li>Scheduler</li> <li>Regular Expressions</li> <li>JWT Authentication</li> </ul>	<ul style="list-style-type: none"> <li>Docker</li> <li>Security and Performance</li> <li>ASP.NET Core SignalR</li> </ul>	