# Job Post

C# Junior Developer job description

We are looking for a strong C# developer to join our team! As a C# Developer, you will have a strong understanding of the C# programming language and experience working with MVC applications with webservice integration.

C# Developer duties and responsibilities

* Collaborate with internal teams to produce software design and architecture
* Write clean, scalable code using .NET programming languages
* Implement, test, and bug-fix functionality in both new and old applications
* Responsibility for design and implementation of software projects using C#
* Participate as a team member in fully agile Scrum deliveries
* Provide support to end users
* Design, build, and maintain efficient and reliable C# code
* Working in an agile environment
* Participate in requirements analysis
* Revise, update, refactor and debug code
* Develop documentation throughout the software development life cycle (SDLC)

Job Types: Full-time, Permanent

Experience:

* C# MVC: 1 year (Preferred)
* Working to AGILE principles: 1 year (Preferred)
* MSSQL: 1 year (Preferred)

Eventually How does candidate measure success by a set of parameters:

* How far has the candidate have reached?
* How big is the part of the path that was done using compass assistance?
* How did he/she handle the challenges?
* How did he/she react to criticism of their solution?

in particular understanding a candidate’s depth of knowledge in C# programming language versus company’s expectations.

* communication skills
* unknowns handling skills
* and ability to craft a solution to a problem.

<https://medium.com/sears-israel/my-number-one-c-interview-question-39cdaac16c>

<https://medium.com/dotnetcrunch/c-interview-questions-for-beginners-5f84fb73e99a>

# About the company

# An Independent, UKAS Accredited, Rapid Diagnosis & Biomedical Research Company

Micropathology Ltd provides a clinically supported service for the rapid diagnosis and management of infectious and genetic disease.

The company provide a 24-hour on-call telephone advice service for healthcare professionals to discuss specific cases or general matters concerning infectious disease and vaccination. This service is supplied without obligation.

The company also provide a genetic profiling service for human identification and undertake biomedical research covering various aspects of human and veterinary pathology. This service includes contract research and clinical trials for external organizations, as well as continuing in-house assay development.

# Required Skills for this post job

C# Developer requirements

* Skilled in C#.Net
* Experience with HTML, JavaScript and web development frameworks (Bootstrap, jQuery)
* Proven experience with software design and OOD methodologies
* Familiarity with Relational Databases and SQL
* Experience with Web services development (SOAP, REST)
* Strong in Object Oriented Programming, MVC, Design patterns and SOLID principles
* Experience of working to AGILE principles and source code versioning advantageous

# Links for .NET back-end developer

Here, you will find below 3 links deal with how to become a good software engineer:

* Good understanding of .NET framework for creating web applications
* Good understanding of tools that you have to use (Xamarin, VS 2019..)
* Good understanding of C#
* Stability and salary
* Challenges

<https://medium.com/@jakubgarfield/c-good-career-choice-or-not-172185a88b0a>

<https://www.freecodecamp.org/news/how-i-went-from-newbie-to-software-engineer-in-9-months-while-working-full-time-460bd8485847/>

<https://medium.com/swlh/developers-here-is-the-most-convincing-reason-for-quitting-your-9-5-job-111801b7bd8>

# Links to job offer of .NET back-end developer

As a C# back-end developer, I will work in R&D and agile environment (Scrum) and work in a devops mode.

For this job, we must be proactive on the choice of technologies and methodologies (ASP.NET Core, React / Angular, TypeScript Mob Programming, Workshops Review, TDD, Hexagonal Architecture, ...).

Activities:

* Specification, design and development of customer solutions
* Improvement of good practices (Clean Code, TDD, BDD, DDD, Legacy Remediation)
* Teamwork (Pair Programming, Code Reviews, Agile Environment)
* Continuous watch
* Participation in the internal life

To apply, it is recommended to have an experience in ASP.NET core, REACT and TypeScript.

It is necessary to know the good practices to avoid a spaghetti code and legacy code which is not maintainable.

To learn React, it would be important to follow a training. Type script is based an implementation of ECMA 6 and 7 without waiting on the implementation into the browsers and seems like based on Framework dotnet.

<https://www.indeed.co.uk/viewjob?cmp=Micropathology-Ltd&t=Junior+Csharp+Software+Developer&jk=f0f1305989855ffc&sjdu=QwrRXKrqZ3CNX5W-O9jEve1dIVOUt-RWe40cYYW649CyeqOhZwk51ra-fiPB69D8vReqqC2QgK-MR_lpOfTTc6vfOKQwCKopXWkIa3pYvjA&tk=1dmftbjij91gg800&adid=315971422&pub=4a1b367933fd867b19b072952f68dceb&vjs=3>

<https://www.indeed.fr/viewjob?jk=5ea8e94ad14b00db&q=C%23+Net+Developer&l=Paris+%2875%29&tk=1dl34c9e614jr003&from=web&vjs=3>

<https://www.indeed.fr/viewjob?jk=f0b690ee8dbab7db&tk=1dl34ifa514se001&from=serp&vjs=3&advn=4190676325902957&adid=308545766&sjdu=0djkFYl3Kv3uHVkHNBdig1Hv9Aa2O6W8Ru3-FWLQTp-kHRH01GXIDmwWpTeZRgJc5nVww7SNJmKe3nFemMv5bs8YFEgYzwBpX9ojZcEpkaZ7_L4WSIb0KN2A0FGtC1ndO0EbprW-2H5yAY2pg7GrOjk6azvSgaeozYIuvyTmFt8O6rRDRrhYd5NcO7kDmN0R63poNSS0z166VvepXTUMSSAlpe6Q9qVcQPJ-wjbIitg1cgIW2P1OcHYtT3hY2LWJm4X-aKHSaUAPa7rH4Z7zOw>

<https://www.indeed.fr/viewjob?jk=259b7a8c7e8cd0d8&tk=1dl34ikgi14se000&from=serp&vjs=3&advn=4190676325902957&adid=308545766&sjdu=0djkFYl3Kv3uHVkHNBdig1Hv9Aa2O6W8Ru3-FWLQTp-kHRH01GXIDmwWpTeZRgJc5nVww7SNJmKe3nFemMv5bo3Q72kTgn4UgZibOqDpkTW92HLJ7d9yVu8zHjdwqkjHUQgTZE7R6POwntNoqT1k-1_nT6mqMKPQj5LLE8j88Cegb59chGd5jcYsPtuMljL65JirtRoOD9lEjHPJm5j3aXFHjugzA1USvU8VmqR2l0J7eiiiqY46gjm0YOht38EA>

<https://www.indeed.fr/viewjob?jk=e14ae2ffb8348d61&tk=1dl34ircj14se001&from=serp&vjs=3&advn=4190676325902957&adid=308546093&sjdu=0djkFYl3Kv3uHVkHNBdig1Hv9Aa2O6W8Ru3-FWLQTp-kHRH01GXIDmwWpTeZRgJctzNePK1N2taU-Q5Drqic08zlL6r5iK347ognWgobvuMz_sFTQRJcFf5n9Vem9tFxHHc3C6sJnGWskdBKeqDhmXSKfP_3R8S_aKV6nHSnOepyDdNCBg67PSeruRf3trPfb7evL_daL5snTlpqqRfYb2k2p-KYxZ7gKwFhdfEAUEk7V0dzwZgJ94ljx3VIy_xMKANajvPLFaySZxuazjpWLg>

<https://www.indeed.fr/viewjob?jk=54fc716a34ffa65a&tk=1dl34iuae14se000&from=serp&vjs=3&advn=4190676325902957&adid=308545992&sjdu=0djkFYl3Kv3uHVkHNBdig1Hv9Aa2O6W8Ru3-FWLQTp-kHRH01GXIDmwWpTeZRgJc5nVww7SNJmKe3nFemMv5btX3aOvcJQnJA0AskPFjqFPav4-owLwpMauMDO7W4-40F6TgKMe1WtRGu6vjWj9j0e-XnGyqa188A1rUM51DApaZ3QEB4kI4g3eRoxi91XUpuy4DIkrgpB2L5HcpJsuyN8--eN3V8M5jgk9qYZqo59SsYuASyV86PTde22THTZvf>

<https://www.indeed.fr/viewjob?jk=5ea8e94ad14b00db&q=C%23+Net+Developer&l=Paris+%2875%29&tk=1dl34c9e614jr003&from=web&vjs=3>

<https://www.indeed.fr/viewjob?jk=dad8c2489604faea&tk=1dl34i8v314jr002&from=serp&vjs=3>

<https://www.indeed.fr/viewjob?jk=9f3ce4d552a98248&tk=1dl34i8v314jr002&from=serp&vjs=3>

<https://www.indeed.fr/viewjob?jk=fcfb6ac64efc5a7f&tk=1dl34i8v314jr002&from=serp&vjs=3>

# Conclusion

Here is a list of requirements:

* Basic in C# programming and .Net/.Net core Framework
* Algorithms (sort,array, tree and graph)
* Best practices of development
* Design patterns (MVC, MVVM, Repository..)
* Read books (C#, Design pattern, Gang of four)