

## СПИСОК ВИКОРИСТАНИХ ДЖЕРЕЛ

- 1) Christine Hofmeister , Robert Nord (2004). Applied Software Architecture [Електронний ресурс] // Режим доступу: [https://books.google.com.ua/books?hl=uk&lr=&id=3klAPCIB3hQC&oi=fnd&pg=PR14&dq=software+architecture&ots=NqEfzW7yUP&sig=x1-sbdlsCpLbqSllo1ncUXZWbJE&redir\\_esc=y#v=onepage&q=software%20architecture&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=3klAPCIB3hQC&oi=fnd&pg=PR14&dq=software+architecture&ots=NqEfzW7yUP&sig=x1-sbdlsCpLbqSllo1ncUXZWbJE&redir_esc=y#v=onepage&q=software%20architecture&f=false)
- 2) Dragana M. (2020). Development of a Quality-Based Model for Software Architecture Optimization: A Case Study of Monolith and Microservice Architectures [Електронний ресурс] // Режим доступу: <https://www.mdpi.com/2073-8994/14/9/1824>
- 3) Alexis S. (2019). Performance Analysis of Monolithic and Micro Service Architectures – Containers Technology [Електронний ресурс] // Режим доступу: [https://link.springer.com/chapter/10.1007/978-3-030-01171-0\\_25](https://link.springer.com/chapter/10.1007/978-3-030-01171-0_25)
- 4) Mohammad Hadi, Bavar Amirzafari (2009) A brief survey of software architecture concepts and service oriented architecture [Електронний ресурс] // Режим доступу: <https://ieeexplore.ieee.org/abstract/document/5235004>
- 5) Cal Henderson (2006). Building Scalable Web Sites [Електронний ресурс] // Режим доступу: [https://books.google.com.ua/books?hl=uk&lr=&id=wIWU94zKEtYC&oi=fnd&pg=PT7&dq=scaling+web+applications&ots=PttKM2Iby1&sig=bms1aBLHQSOGGDt5tphjInr3N0&redir\\_esc=y#v=onepage&q=scaling%20web%20applications&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=wIWU94zKEtYC&oi=fnd&pg=PT7&dq=scaling+web+applications&ots=PttKM2Iby1&sig=bms1aBLHQSOGGDt5tphjInr3N0&redir_esc=y#v=onepage&q=scaling%20web%20applications&f=false)
- 6) Fabiana Rossi, Matteo Nardelli (2019). Horizontal and Vertical Scaling of Container-Based Applications Using Reinforcement Learning [Електронний ресурс] // Режим доступу: <https://ieeexplore.ieee.org/abstract/document/8814555>
- 7) Muhammad Waleed (2021). API GATEWAY ARCHITECTURE EXPLAINED [Електронний ресурс] // Режим доступу: <https://www.ijest.com.pk/index.php/IJCST/article/view/269/236>

- 8) Nabor C. Mendonca (2020). Model-Based Analysis of Microservice Resiliency Patterns [Электронный ресурс] // Режим доступа: <https://ieeexplore.ieee.org/abstract/document/9101301>
- 9) Akhan Akbulut (2019). Performance Analysis of Microservice Design Patterns [Электронный ресурс] // Режим доступа: <https://ieeexplore.ieee.org/abstract/document/8890660>
- 10) Benyamin Shafabakhsh (2020). Evaluating the Impact of Inter Process Communication in Microservice Architectures [Электронный ресурс] // Режим доступа: <https://ceur-ws.org/Vol-2767/07-QuASoQ-2020.pdf>
- 11) Ville Rintamäki (2022). DESIGNING MESSAGE QUEUE SERVICE IN MICROSERVICE ARCHITECTURE [Электронный ресурс] // Режим доступа: <https://trepo.tuni.fi/bitstream/handle/10024/138828/Rintam%C3%A4kiVille.pdf?sequence=2>
- 12) Sanjith Athlur (2019). Cache Characterization of Workloads in a Microservice Environment [Электронный ресурс] // Режим доступа: <https://ieeexplore.ieee.org/abstract/document/9051945>
- 13) Nur Ayuni Nor Sobri, Mohamad Aqib Haqmi Abas (2022). Analyzing Latency Performance of Different Cache Methods for Microservice Architecture [Электронный ресурс] // Режим доступа: [https://www.philstat.org/special\\_issue/index.php/MSEA/article/view/323/319](https://www.philstat.org/special_issue/index.php/MSEA/article/view/323/319)
- 14) James Turnbull (2019). The Docker Book: Containerization Is the New Virtualization [Электронный ресурс] // Режим доступа: [https://books.google.com.ua/books?hl=uk&lr=&id=4xQKBAAQBAJ&oi=fnd&pg=PA1&dq=Containerization&ots=wy2F6yajBP&sig=R5yQ7d403u2nC0XmNTdJTGW2iOA&redir\\_esc=y#v=onepage&q=Containerization&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=4xQKBAAQBAJ&oi=fnd&pg=PA1&dq=Containerization&ots=wy2F6yajBP&sig=R5yQ7d403u2nC0XmNTdJTGW2iOA&redir_esc=y#v=onepage&q=Containerization&f=false)
- 15) Thorsten Rangnau (2020). Continuous Security Testing: A Case Study on Integrating Dynamic Security Testing Tools in CI/CD Pipelines [Электронный ресурс] // Режим доступа: <https://ieeexplore.ieee.org/abstract/document/9233212>
- 16) Andrew Lock (2023). ASP.NET Core in Action [Электронный ресурс] // Режим доступа:

[https://books.google.com.ua/books?hl=uk&lr=&id=JuXPEAAAQBAJ&oi=fnd&pg=PR28&dq=ASP.NET+CORE&ots=BWbF1uKc46&sig=sywfsHJ76uz18LOHUuhxQKJ2MDs&redir\\_esc=y#v=onepage&q=ASP.NET%20CORE&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=JuXPEAAAQBAJ&oi=fnd&pg=PR28&dq=ASP.NET+CORE&ots=BWbF1uKc46&sig=sywfsHJ76uz18LOHUuhxQKJ2MDs&redir_esc=y#v=onepage&q=ASP.NET%20CORE&f=false)

17) Joshua D. Drake, John C. Worsley (2004). Practical PostgreSQL [Електронний ресурс] // Режим доступу: [https://books.google.com.ua/books?hl=uk&lr=&id=fI1AgAAQBAJ&oi=fnd&pg=PR4&dq=PostgreSQL+&ots=a1TG36QZs6&sig=sMqK3cvxchD4SaUHfqyRgKxhUUE&redir\\_esc=y#v=onepage&q=PostgreSQL&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=fI1AgAAQBAJ&oi=fnd&pg=PR4&dq=PostgreSQL+&ots=a1TG36QZs6&sig=sMqK3cvxchD4SaUHfqyRgKxhUUE&redir_esc=y#v=onepage&q=PostgreSQL&f=false)

18) Diprima, Giorgio (2022). Comparison of tools and metrics for non-functional testing of web pages [Електронний ресурс] // Режим доступу: [https://www.theseus.fi/bitstream/handle/10024/784211/Diprima\\_Giorgio.pdf?sequence=2&isAllowed=y](https://www.theseus.fi/bitstream/handle/10024/784211/Diprima_Giorgio.pdf?sequence=2&isAllowed=y)

19) Mark Wilkins (2020). Learning Amazon Web Services (AWS): A Hands-On Guide to the Fundamentals of Fundamentals of AWS Cloud [Електронний ресурс] // Режим доступу: [https://books.google.com.ua/books?hl=uk&lr=&id=HvifDwAAQBAJ&oi=fnd&pg=PT24&dq=AWS+services+overview&ots=-2cdNYsbJ6&sig=omPcrSBqqKrrur2T\\_qCGaRaDNTS4&redir\\_esc=y#v=onepage&q=AWS%20services%20overview&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=HvifDwAAQBAJ&oi=fnd&pg=PT24&dq=AWS+services+overview&ots=-2cdNYsbJ6&sig=omPcrSBqqKrrur2T_qCGaRaDNTS4&redir_esc=y#v=onepage&q=AWS%20services%20overview&f=false)

20) Jon Smith (2021). Entity Framework Core in Action, Second Edition [Електронний ресурс] // Режим доступу: [https://books.google.com.ua/books?hl=uk&lr=&id=sJsvEAAAQBAJ&oi=fnd&pg=PR21&dq=Entity+framework&ots=G1A13yccjD&sig=SWjvgtcEFgp56D39AVu-5DBU80U&redir\\_esc=y#v=onepage&q=Entity%20framework&f=false](https://books.google.com.ua/books?hl=uk&lr=&id=sJsvEAAAQBAJ&oi=fnd&pg=PR21&dq=Entity+framework&ots=G1A13yccjD&sig=SWjvgtcEFgp56D39AVu-5DBU80U&redir_esc=y#v=onepage&q=Entity%20framework&f=false)