

## DAFTAR PUSTAKA

- [1] Anna Mleczek, “How many developers are there in the world in 2023?” 2022, [Online]. Available: <https://www.future-processing.com/blog/how-many-developers-are-there-in-the-world-in-2019/>. [Accessed: June 09, 2023].
- [2] shriramvenugopal, “The Story of Netflix and Microservices,” 2020, [Online]. Available: <https://www.geeksforgeeks.org/the-story-of-netflix-and-microservices/>. [Accessed: June 09, 2023].
- [3] Chris O’Brien, “Red Hat: Shift to Kubernetes and microservices is happening faster than expected,” 2022, [Online]. Available: <https://venturebeat.com/business/red-hat-shift-to-kubernetes-and-microservices-is-happening-faster-than-expected/>. [Accessed: June 09, 2023].
- [4] B. H. Sigelman, M. B. Luiz Andre Barroso, and M. P. Pat Stephenson, “Dapper, a Large-Scale Distributed Systems Tracing Infrastructure,” *Google Technical Report*, 2010.
- [5] R. Brondolin and M. D. Santambrogio, “A black-box monitoring approach to measure microservices runtime performance,” *ACM*, 2020.
- [6] C. Casse, P. Berthou, and P. Owezarski, “Using distributed tracing to identify inefficient resources composition in cloud applications,” *2021 IEEE 10th International Conference on Cloud Networking (CloudNet)*, 2021.
- [7] P. N. K. Bayu, “Implementasi server log monitoring system menggunakan elastic stack,” *Pengembangan Teknologi Informasi dan Ilmu Komputer*, vol. 6, pp. 1814–1824, 2022.
- [8] M. S. D. and D. M., “Distributed request tracing using zipkin and spring boot sleuth,” *International Journal of Computer Applications*, 2020.
- [9] G. Y. Kusuma and U. Y. Oktiawati, “Perancangan sistem monitoring performa aplikasi menggunakan opentelemetry dan grafana stack,” *Journal of Internet and Software Engineering (JISE)*, vol. 3, 2022.
- [10] Juraci Paixão Kröhling, “OpenTelemetry Collector Deployment Patterns,” 2023, [Online]. Available: <https://speakerdeck.com/jpkroehling/opentelemetry-collector-deployment-patterns>. [Accessed: June 09, 2023].
- [11] S. Newman, *Building Microservices: Designing Fine-Grained Systems*. O’Reilly Media, Inc., 2021.
- [12] Chris Richardson, “Pattern: Microservice Architecture,” 2023, [Online]. Available: <https://microservices.io/patterns/microservices.html>. [Accessed: June 09, 2023].
- [13] Docker, “<https://www.docker.com/resources/what-container/>,” 2023, [Online]. Available: <https://www.docker.com/resources/what-container/>. [Accessed: June 09, 2023].

- [14] Kubernetes.io, “Overview of Kubernetes,” 2023, [Online]. Available: <https://kubernetes.io/docs/concepts/overview/>. [Accessed: June 09, 2023].
- [15] N. Poulton, *The Kubernetes Book*. Leanpub, 2023.
- [16] Splunk, “Manage services, spans, and traces in Splunk APM,” 2023, [Online]. Available: <https://docs.splunk.com/Observability/apm/apm-spans-traces/traces-spans.html>. [Accessed: June 09, 2023].
- [17] Kubernetes.io, “Pods,” 2023, [Online]. Available: <https://kubernetes.io/docs/concepts/workloads/pods/>. [Accessed: June 09, 2023].
- [18] —, “Services,” 2023, [Online]. Available: <https://kubernetes.io/docs/concepts/services-networking/service/>. [Accessed: June 09, 2023].
- [19] vmware.com, “What is a Kubernetes Deployment?” [Online]. Available: <https://www.vmware.com/topics/glossary/content/kubernetes-deployment.html>. [Accessed: June 09, 2023].
- [20] Kubernetes.io, “Persistent Volumes,” 2023, [Online]. Available: <https://kubernetes.io/docs/concepts/storage/persistent-volumes/>. [Accessed: June 09, 2023].
- [21] spot.io, “Kubernetes Daemonset: A Practical Guide,” 2023, [Online]. Available: <https://spot.io/resources/kubernetes-autoscaling/kubernetes-daemonset-a-practical-guide/>. [Accessed: June 09, 2023].
- [22] Kubernetes.io, “Operator pattern,” 2023, [Online]. Available: <https://kubernetes.io/docs/concepts/extend-kubernetes/operator/>. [Accessed: June 09, 2023].
- [23] —, “Kubernetes Components,” 2023, [Online]. Available: <https://kubernetes.io/docs/concepts/overview/components/>. [Accessed: June 09, 2023].
- [24] opentelemetry.io, “What is OpenTelemetry?” 2023, [Online]. Available: <https://opentelemetry.io/docs/concepts/what-is-opentelemetry/>. [Accessed: June 09, 2023].
- [25] —, “Collector,” 2023, [Online]. Available: <https://opentelemetry.io/docs/collector/>. [Accessed: June 09, 2023].
- [26] Lumigo.io, “What Is OpenTelemetry?” 2023, [Online]. Available: <https://lumigo.io/opentelemetry/>. [Accessed: June 09, 2023].
- [27] opentelemetry.io, “Collector,” 2023, [Online]. Available: <https://opentelemetry.io/docs/specs/otel/trace/api/>. [Accessed: June 09, 2023].
- [28] Opentelemetry.io, “Traces,” 2023, [Online]. Available: <https://opentelemetry.io/docs/concepts/signals/traces/>. [Accessed: June 09, 2023].

- [29] B. Academy, "API REST API: Penjelasan Lengkap, Contoh, Cara Kerja API," 2023, [Online]. Available: <https://www.binaracademy.com/blog/penjelasan-rest-api>. [Accessed: June 09, 2023].
- [30] Team Dignitas, "Pengertian Dan Konsep Restful API Programming," 2023, [Online]. Available: <https://www.dignitas.id/blog/appng7pbz3ri7zp0vcghu3sip08dt1-a337tpwby2-r358p-y3esr-mmnym-n3lr5-79ded-2ld2y-dtsyh-kydac-ffhcf-kmmzk-bdtha-ambzl-n33td-6llcn-erds1-6h74j>. [Accessed: June 09, 2023].
- [31] elastic, "What is Elasticsearch?" 2023, [Online]. Available: <https://www.elastic.co/what-is/elasticsearch>. [Accessed: July 28, 2023].
- [32] G. Reback, "An Elasticsearch Tutorial: Getting Started," 2023, [Online]. Available: <https://logz.io/blog/elasticsearch-tutorial/>. [Accessed: July 28, 2023].
- [33] J. Gopalakrishnan, "Elasticsearch: What It Is, How It Works, And What It's Used For," 2023, [Online]. Available: <https://www.knowi.com/blog/what-is-elastic-search/>. [Accessed: July 28, 2023].
- [34] jaegertracing.io, "Introduction," 2023, [Online]. Available: <https://www.jaegertracing.io/docs/1.47/>. [Accessed: July 28, 2023].