# Literature Review

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## References


Dagenais, B., & Robillard, M. P. (2010). Creating and evolving developer documentation: Understanding the decisions of open source contributors. In *Proceedings of the eighteenth acm sigsoft international symposium on foundations of software engineering* (pp. 127–136). New York, NY, USA: ACM. Retrieved from `http://doi.acm.org/10.1145/1882291.1882312` doi: 10.1145/1882291.1882312

The authors of this paper are extremely prolific (Dagenais with 16 other papers on ACM and Robillard with 78). This resource informs the discussion on the importance of documentation and how to write good documentation.

Docker documentation [Computer program manual]. (2019, 5). Retrieved from `https://docs.docker.com/`

Docker is the world leader in containerization software. Docker is the building block of DevOps. This resource is the authoritative reference on Docker, where as Docker In Action is written to be user-friendly.

*Introduction to ci/cd with gitlab.* (n.d.). GitLab. Retrieved from `https://docs.gitlab.com/ee/ci/introduction/`

GitLab is one of many DevOps-enabled software development products, but it is the best one, so I'll discuss it in the paper. Like the docker resource above, this website is mostly technical documentation so pulling from it may be hard.

Kersten, M. (2018, 3). A cambrian explosion of devops tools. *IEEE Software*, *35*(2), 14-17. doi: 10.1109/MS.2018.1661330

Dr. Kersten is the Founder and CEO of Tasktop, he's been a PhD in Computer Science nearly 20 years ago now. This resource shows how new DevOps is, which shows why documentation is used.

Nickoloff, J. (2016). *Docker in action.* Shelter Island, NY: Manning Publications.

Mr. Nickoloff has been a Software Engineer working in web-development for 20 years. This book covers Docker, a containerization tool that lies at the root of the DevOps revolution. This book is a tutorial on Docker.

Wahaballa, A., Wahballa, O., Abdellatief, M., Xiong, H., & Qin, Z. (2015, 9). Toward unified devops

model. In *2015 6th ieee international conference on software engineering and service science (icsess)* (p. 211-214). doi: 10.1109/ICSESS.2015.7339039

A. Wahballa is a post doctorate fellow at the University of Electronic Science and Technology of China;s School of Information and Software Engineering. He, like O. Wahballa has a handful of publications on IEEE. This paper can help Clarify confusions companies have when working with a specific vendor's DevOps product as they'll already have a framework for understand DevOps. This paper will help build models.

Waseem, M., & Liang, P. (2017, 12). Microservices architecture in devops. In *2017 24th asia-pacific software engineering conference workshops (apsecw)* (p. 13-14). doi: 10.1109/APSECW.2017.18

P. Liang has 25 papers many related to DevOps and programmer collaboration. M.Waseem is relatively unpublished. Microservices is used in DevOps to limit the scope of a component of an IT archetecture. This enables collaboration and DevOps.