
Bibliography

- 2020 Data Breach Investigations Report. Verizon, 2020. <https://oreil.ly/ps0Cx>.
- Abbott, Martin L., and Michael T. Fisher. *The Art of Scalability: Scalable Web Architecture, Processes, and Organizations for the Modern Enterprise*. 2nd ed. Boston: Addison-Wesley, 2015.
- Allspaw, John. "Blameless Post-Mortems and a Just Culture." *Code as Craft* (blog). Etsy, May 22, 2012. <https://oreil.ly/P1BcX>.
- Bache, Emily. "End-to-End Automated Testing in a Microservice Architecture." NDC Conferences. July 5, 2017. YouTube video, 56:48. <https://oreil.ly/DbFdR>.
- Bell, Laura, Michael Brunton-Spall, Rich Smith, and Jim Bird. *Agile Application Security*. Sebastopol: O'Reilly, 2017.
- Beyer, Betsy, Chris Jones, Jennifer Petoff, and Niall Richard Murphy, eds. *Site Reliability Engineering: How Google Runs Production Systems*. Sebastopol: O'Reilly, 2016.
- Beyer, Betsy, Niall Richard Murphy, David K. Rensin, Kent Kawahara, and Stephen Thorne, eds. *The Site Reliability Workbook: Practical Ways to Implement SRE*. Sebastopol: O'Reilly, 2018.
- Bird, Christian, Nachi Nagappan, Brendan Murphy, Harald Gall, and Premkumar Devanbu. "Don't Touch My Code! Examining the Effects of Ownership on Software Quality." In *ESEC/FSE '11: Proceedings of the 19th ACM SIGSOFT Symposium and the 13th European Conference on Foundations of Software Engineering*, 4–14. New York: ACM, 2011. doi.org/10.1145/2025113.2025119.
- Brandolini, Alberto. *EventStorming*. Victoria, BC: Leanpub, forthcoming.
- Brooks, Frederick P., Jr. *The Mythical Man-Month: Essays on Software Engineering*, Anniversary ed. Boston: Addison-Wesley, 1995.
- Brown, Alanna, Nicole Forsgren, Jez Humble, Nigel Kersten, and Gene Kim. 2016 *State of DevOps Report*. <https://oreil.ly/WJjhA>.

- Bryant, Daniel. "Apple Rebuilds Siri Backend Services Using Apache Mesos." InfoQ, May 3, 2015. <https://oreil.ly/NsjEQ>.
- Burns, Brendan, Brian Grant, David Oppenheimer, Eric Brewer, and John Wilkes. "Borg, Omega, and Kubernetes." *acmqueue* 14, no. 1 (2016). <https://oreil.ly/2TIYG>.
- Calçado, Phil. "Pattern: Using Pseudo-URIs with Microservices." May 22, 2017. <https://oreil.ly/uZuto>.
- Cockburn, Alistair. "Hexagonal Architecture." alistair.cockburn.us, January 4, 2005. <https://oreil.ly/0JeIm>.
- Cohn, Mike. *Succeeding with Agile*. Upper Saddle River, NJ: Addison-Wesley, 2009.
- Colyer, Adrian. "Information Distribution Aspects of Design Methodology." *The Morning Paper* (blog), October 17, 2016. <https://oreil.ly/qxj2m>.
- Crispin, Lisa, and Janet Gregory. *Agile Testing: A Practical Guide for Testers and Agile Teams*. Upper Saddle River, NJ: Addison-Wesley, 2008.
- Evans, Eric. *Domain-Driven Design: Tackling Complexity in the Heart of Software*. Boston: Addison-Wesley, 2004.
- Ford, Neal, Rebecca Parsons, and Patrick Kua. *Building Evolutionary Architectures*. Sebastopol: O'Reilly, 2017.
- Forsgren, Nicole, Dustin Smith, Jez Humble, and Jessie Frazelle. *Accelerate: State of DevOps Report 2019*. <https://oreil.ly/A3zGn>.
- Forsgren, Nicole, Jez Humble, and Gene Kim. *Accelerate: The Science of Building and Scaling High Performing Technology Organizations*. Portland, OR: IT Revolution, 2018.
- Fowler, Martin. "CodeOwnership." martinowler.com, May 12, 2006. <https://oreil.ly/a42c7>.
- Fowler, Martin. "Eradicating Non-Determinism in Tests." martinowler.com, April 14, 2011. <https://oreil.ly/sqPOD>.
- Fowler, Martin. "StranglerFigApplication." martinowler.com, June 29, 2004. <https://oreil.ly/foti0>.
- Freeman, Steve, and Nat Pryce. *Growing Object-Oriented Software, Guided by Tests*. Upper Saddle River, NJ: Addison-Wesley, 2009.
- Friedrichsen, Uwe. "The Limits of the Saga Pattern." ufried.com (blog). February 19, 2021. <https://oreil.ly/X1BfK>.
- Garcia-Molina, Hector, Dieter Gawlick, Johannes Klein, and Karl Kleissner. "Modeling Long-Running Activities as Nested Sagas." *Data Engineering* 14, no. 1 (March 1991): 14–18. <https://oreil.ly/RVp7A1>.

- Garcia-Molina, Hector, and Kenneth Salem. "Sagas." *ACM Sigmod Record* 16, no. 3 (1987): 249–59.
- Governor, James. "Towards Progressive Delivery." *James Governor's MonkChips* (blog). RedMonk, August 6, 2018. <https://oreil.ly/OlkEY>.
- Heinemeier Hansson, David. "The Majestic Monolith." *Signal v. Noise*, February 29, 2016. <https://oreil.ly/fN5CR>.
- Hodgson, Pete. "Feature Toggles (aka Feature Flags)." *martinfowler.com*, October 9, 2017. <https://oreil.ly/pSPrd>.
- Hohpe, Gregor. *The Software Architect Elevator: Redefining the Architect's Role in the Digital Enterprise*. Sebastopol: O'Reilly, 2020.
- Hohpe, Gregor, and Bobby Woolf. *Enterprise Integration Patterns*. Boston: Addison-Wesley, 2003.
- Humble, Jez, and David Farley. *Continuous Delivery: Reliable Software Releases Through Build, Test, and Deployment Automation*. Upper Saddle River, NJ: Addison-Wesley, 2010.
- Hunt, Troy. "Passwords Evolved: Authentication Guidance for the Modern Era." *troyhunt.com*, July 26, 2017. <https://oreil.ly/r4ava>.
- Ingles, Paul. "Convergence to Kubernetes." *Medium*, June 18, 2018. <https://oreil.ly/oB2FI>.
- Ishmael, Johnathan. "Optimising Serverless for BBC Online." *Technology and Creativity at the BBC* (blog), BBC, January 26, 2021. <https://oreil.ly/mPp2L>.
- Jackson, Cam. "Micro Frontends." *martinfowler.com*, June 19, 2019. <https://oreil.ly/nYu15>.
- Kingsbury, Kyle. "Jepsen: Elasticsearch." *Aphyr*, June 15, 2014. <https://oreil.ly/6l2sR>.
- Kingsbury, Kyle. "Jepsen: Elasticsearch 1.5.0." *Aphyr*, April 27, 2015. <https://oreil.ly/jlu8p>.
- Kleppmann, Martin. *Designing Data-Intensive Applications*. Sebastopol: O'Reilly, 2017.
- Krishnan, Kripa. "Weathering the Unexpected." *acmqueue* 10, no. 9 (2012). <https://oreil.ly/BN2Ek>.
- Kubis, Robert. "Google Cloud Spanner: Global Consistency at Scale by Robert Kubis." *Devoxx*. November 7, 2017. YouTube video, 33:22. <https://oreil.ly/fwbMD>.
- Lamport, Leslie. "Time, Clocks, and the Ordering of Events in a Distributed System." *Communications of the ACM*. 21, no. 7 (July 1978): 558–65. <https://oreil.ly/Y07gU>.

- Lewis, James. "Scale, Microservices and Flow." YOW! Conferences. February 10, 2020. YouTube video, 51:03. <https://oreil.ly/nzXqX>.
- Losio, Renato. "Elastic Changes Licences for Elasticsearch and Kibana: AWS Forks Both." InfoQ, January 25, 2021. <https://oreil.ly/PClFv>.
- MacCormack, Alan, Carliss Y. Baldwin, and John Rusnak. "Exploring the Duality Between Product and Organizational Architectures: A Test of the *Mirroring Hypothesis*." *Research Policy* 41, no. 8 (October 2012): 1309–24.
- Majors, Charity. "Metrics: Not the Observability Droids You're Looking For." *Honeycomb* (blog), October 24, 2017. <https://oreil.ly/RpZaZ>.
- Majors, Charity, Liz Fong-Jones, and George Miranda. *Observability Engineering*. Sebastopol: O'Reilly, 2022.
- McAllister, Neil. "Code Spaces Goes Titsup FOREVER After Attacker NUKES Its Amazon-Hosted Data." The Register, June 18, 2014. <https://oreil.ly/IUOD0>.
- Miles, Russ. *Learning Chaos Engineering*. Sebastopol: O'Reilly, 2019.
- Moore, Jon. "Architecture with 800 of My Closest Friends: The Evolution of Comcast's Architecture Guild." InfoQ, May 14, 2019. <https://oreil.ly/dVfhi>.
- Morris, Kief. *Infrastructure as Code*. 2nd ed. Sebastopol: O'Reilly, 2016.
- Nagappan, Nachiappan, Brendan Murphy, and Victor Basili. "The Influence of Organizational Structure on Software Quality: An Empirical Case Study." *ICSE '08: Proceedings of the 30th International Conference on Software Engineering*. New York: ACM, 2008.
- Newman, Sam. *Monolith to Microservices*. Sebastopol: O'Reilly, 2019.
- Noursalehi, Saeed. "Git Virtual File System Design History." <https://t.co/mIQR4uzWKS?amp=1>.
- Nygaard, Michael. *Release It!* 2nd ed. Raleigh: Pragmatic Bookshelf, 2018.
- Oberlehner, Markus. "Monorepos in the Wild." Medium, June 12, 2017. <https://oreil.ly/Sk6am>.
- Padmanabhan, Senthil, and Pranav Jha. "WebAssembly at eBay: A Real-World Use Case." eBay, May 22, 2019. <https://oreil.ly/rlr7d>.
- Page-Jones, Meilir. *Practical Guide to Structured Systems Design*, 2nd ed. New York: Yourdon Press, 1980.
- Palino, Todd, Neha Narkhede, and Gwen Shapira. *Kafka: The Definitive Guide*. Sebastopol: O'Reilly, 2017.

- Parnas, David. "Information Distribution Aspects of Design Methodology." In *Information Processing: Proceedings of the IFIP Congress*, 339–44. Vol. 1. Amsterdam: North Holland, 1972.
- Parnas, David. "On the Criteria to Be Used in Decomposing Systems into Modules." Journal contribution, Carnegie Mellon University, 1971. <https://oreil.ly/nWtQA>.
- Plotnicki, Lukasz. "BFF @ Soundcloud." ThoughtWorks, December 9, 2015. <https://oreil.ly/ZyR0l>.
- Potvin, Rachel, and Josh Levenberg. "Why Google Stores Billions of Lines of Code in a Single Repository." *Communications of the ACM* 59, no. 7 (July 2016): 78–87. <https://oreil.ly/Eupyi>.
- Pyhäjärvi, Maaret. *Ensemble Programming Guidebook*. Self-published, 2015–2020. <https://ensembleprogramming.xyz>.
- Riggins, Jennifer. "The Rise of Progressive Delivery for Systems Resilience." *The New Stack*, April 1, 2019. <https://oreil.ly/merIs>.
- Rodriguez, Daniel, M. Ángel Sicilia, Elena García Barriocanal, and Rachel Harrison. "Empirical Findings on Team Size and Productivity in Software Development." *Journal of Systems and Software* 85, no. 3 (2012). doi.org/10.1016/j.jss.2011.09.009.
- Rossmann, John. *Think Like Amazon: 50 1/2 Ideas to Become a Digital Leader*. New York: McGraw-Hill, 2019.
- Ruecker, Bernd. *Practical Process Automation*. Sebastopol: O'Reilly, 2021.
- Sadalage, Pramod, and Martin Fowler. *NoSQL Distilled: A Brief Guide to the Emerging World of Polyglot Persistence*. Upper Saddle River, NJ: Addison-Wesley, 2012.
- Schneider, Jonny. *Understanding Design Thinking, Lean, and Agile*. Sebastopol: O'Reilly, 2017.
- Shankland, Stephen. "Google Uncloaks Once-Secret Server." CNET, December 11, 2009. <https://oreil.ly/hHKvE>.
- Shorrock, Steven. "Alarm Design: From Nuclear Power to WebOps." *Humanistic Systems* (blog), October 16, 2015. <https://oreil.ly/AiJ5i>.
- Shostack, Adam. *Threat Modeling: Designing for Security*. Indianapolis: Wiley, 2014.
- Sigelman, Ben. "Three Pillars with Zero Answers—Towards a New Scorecard for Observability." *Lightstep* (blog post), December 5, 2018. <https://oreil.ly/qdtSS>.
- Skelton, Matthew, and Manuel Pais. *Team Topologies*. Portland, OR: IT Revolution, 2019.
- Steen, Maarten van, and Andrew Tanenbaum. *Distributed Systems*. 3rd ed. Scotts Valley, CA: CreateSpace Independent Publishing Platform, 2017.

- Stopford, Ben. *Designing Event-Driven Systems*. Sebastopol: O'Reilly, 2017.
- Valentino, Jason D. "Moving One of Capital One's Largest Customer-Facing Apps to AWS." Medium/Capital One Tech, May 24, 2017. <https://oreil.ly/IEIC3>.
- Vaughan, Diane. *The Challenger Launch Decision: Risky Technology, Culture, and Deviance at NASA*. Chicago: University of Chicago Press, 1996.
- Vernon, Vaughn. *Domain-Driven Design Distilled*. Boston: Addison-Wesley, 2016.
- Vernon, Vaughn. *Implementing Domain-Driven Design*. Upper Saddle River, NJ: Addison-Wesley, 2013.
- Vocke, Ham. "The Practical Test Pyramid." martinfowler.com, February 26, 2018. <https://oreil.ly/6rRoU>.
- Webber, Emily. *Building Successful Communities of Practice*. San Francisco: Blurb, 2016.
- Webber, Jim, Savas Parastatidis, and Ian Robinson. *REST in Practice: Hypermedia and Systems Architecture*. Sebastopol: O'Reilly, 2010.
- Woods, David D. "Four Concepts for Resilience and the Implications for the Future of Resilience Engineering." *Reliability Engineering & System Safety* 141 (September 2015): 5–9. doi.org/10.1016/j.ress.2015.03.018.
- Yourdon, Edward, and Larry L. Constantine. *Structured Design*. New York: Yourdon Press, 1976.
- Zimman, Adam. "Progressive Delivery, a History...Condensed." *Industry Insights* (blog). LaunchDarkly, August 6, 2018. <https://oreil.ly/4pVY7>.