**what it is, where/when/why it is used in software development, what are the most popular software tools/languages/companies/services related to the topic. One citation per topic is fine.**

**Version control** is a tracking system that records changes to files over time so that you can roll back to specific versions later. Github, GitLab and Bitbucket are some of the offerings.

Source: git-scm. “1.1 Getting Started - About Version Control.” Git, 2019, git-scm.com/book/en/v2/Getting-Started-About-Version-Control.

**Test-Driven Development** is a development process that uses the repetition of short development cycle where the developer writes a failing automated test case that defines a specific improvement or new functions, then produces the minimum amount of code to pass that test case, eventually refactoring the new code to acceptable level.

Source: conversations, technology. “Test Driven Development (TDD): Example Walkthrough.” Technology Conversations, 31 Aug. 2016, technologyconversations.com/2013/12/20/test-driven-development-tdd-example-walkthrough/.

**Deployment** is all the activities that make a software system available for use. Because every environment is unique deployments are customized according to specific requirements or characteristics of the environment.

wikipedia. “Software Deployment.” Wikipedia, Wikimedia Foundation, 23 June 2019, en.wikipedia.org/wiki/Software\_deployment.

**Integration** is the combining of sets of instructions or subroutines, modules or full programs with other software in order to develop an application or enhance the functionality of an existing one.

pcmag. “Encyclopedia.” Software Integration Definition from PC Magazine Encyclopedia, 2019, www.pcmag.com/encyclopedia/term/65245/software-integration.

**Relational Databases** is a set of formally described tables from which data can be accessed or reassembled in many ways without having to reorganize the database tables. They are pretty ubiquitous from small versions on our cell phone to large ones for mining shopper preferences.

Rouse, Margaret. “What Is Relational Database? - Definition from WhatIs.com.” SearchDataManagement, 2019, searchdatamanagement.techtarget.com/definition/relational-database.

**Cloud Computing** is the on-demand availability of computer resources or systems like data storage and computing power, without direct management of the hardware and software by the end user. Amazon and Google both provide the lions share of these service.

wikipedia. “Cloud Computing.” Wikipedia, Wikimedia Foundation, 26 June 2019, en.wikipedia.org/wiki/Cloud\_computing.