**Orchestration & Automation Concepts**

1. Network Automation onramp <https://www.youtube.com/watch?v=r-TdsK3RKvo&feature=youtu.be>
2. Continuous Integration Continuous Delivery Basic Concepts <https://www.youtube.com/watch?v=xSv_m3KhUO8>
3. Network Infrastructure As Code <https://www.youtube.com/watch?v=L50UqLY7vXc>
4. NetDevOps CICD Pipeline <https://www.youtube.com/watch?v=LinGy8DGIJ8>

**Itential**

1. Create an Itential account using your Centurylink email address @ <https://academy.itential.com/>
2. Take The free course IAP101 <https://academy.itential.com/courses/course-v1:itential-llc-courses+IAP101+2020_T1/about>
3. review guides @ <http://docs.itential.io/>
4. Automating Network Operations with Itential Demo <https://www.youtube.com/watch?v=0K_TzP4uUDE>
5. Supercharging Ansible for Networking with Itential <https://www.youtube.com/watch?v=Qt2JMDkoVCs>

**Agile**

1. Terminology
   1. Agile Glossary <https://www.agilealliance.org/agile101/agile-glossary/>
   2. Basic Agile terminology <https://www.youtube.com/watch?v=xMIrIRxdkKM>
   3. Epic & User Stories <https://www.youtube.com/watch?v=-ZtDsf65d0I> & <https://www.atlassian.com/agile/project-management/epics> & <https://www.atlassian.com/agile/project-management/user-stories>
   4. Job Stories <https://www.youtube.com/watch?v=pJcUlaOXEUQ>
   5. Job Stories Vs User Stories <https://www.mountaingoatsoftware.com/blog/job-stories-offer-a-viable-alternative-to-user-stories>
   6. Building Job Stories <https://jtbd.info/5-tips-for-writing-a-job-story-7c9092911fc9>
2. Kanban
   1. What is Kanban <https://www.youtube.com/watch?v=iVaFVa7HYj4>
   2. What Is A Kanban Board <https://www.youtube.com/watch?v=Bcid33tgq8A> & <https://www.atlassian.com/agile/kanban/boards>
   3. Kanban Work In Progress Limit <https://www.youtube.com/watch?v=zEJn6eQO6FE> & <https://www.atlassian.com/agile/kanban/wip-limits>
3. Ceremonies (meetings) <https://www.atlassian.com/agile/scrum/ceremonies>
   1. Daily Standups <https://www.youtube.com/watch?v=er9gntPjTJU>
   2. Backlog Grooming <https://www.youtube.com/watch?v=zkZJxvKzILY>
   3. Planning Session <https://www.youtube.com/watch?v=9NWbQlRcdh0>
   4. Iteration Review (demo’s)
   5. Retrospective <https://www.youtube.com/watch?v=dJNCHvqKljU>

**Jira**

1. Jira Introduction <https://www.youtube.com/watch?v=TsG3OWTDAFY>
2. Jira 101 <https://www.youtube.com/watch?v=NrHpXvDXVrw>
3. Jira Project <https://www.youtube.com/watch?v=almSDJ-abXQ>

**GIT  & GITHUB**

1. Why Use GIT <https://www.youtube.com/watch?v=3RjQznt-8kE&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR>
2. Installing GIT <https://www.youtube.com/watch?v=MFtsLRphqDM&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=2>
3. How GIT Works <https://www.youtube.com/watch?v=iNP_KmOFqXs&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=3>
4. Creating a Repo <https://www.youtube.com/watch?v=v0Ch3yWQ-Zc&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=4>
5. Staging Files <https://www.youtube.com/watch?v=KngvG8WzYLU&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=5>
6. Making commits <https://www.youtube.com/watch?v=Fhgga2s_RmM&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=6>
7. Undoing Things <https://www.youtube.com/watch?v=RIYrfkZjWmA&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=7>
8. Branches <https://www.youtube.com/watch?v=QV0kVNvkMxc&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=8>
9. Merging Branches <https://www.youtube.com/watch?v=XX-Kct0PfFc&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=9>
10. Intro to GITHUB <https://www.youtube.com/watch?v=fQLK8Ib_SKk&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=10>
11. Collaborating on GITHUB <https://www.youtube.com/watch?v=MnUd31TvBoU&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=11>
12. Forking & Contributing <https://www.youtube.com/watch?v=HbSjyU2vf6Y&list=PL4cUxeGkcC9goXbgTDQ0n_4TBzOO0ocPR&index=12>

**Ansible**

1. How Ansible Works <https://www.youtube.com/watch?v=St__HLMZ8qQ>
2. Ansible playbooks <https://www.youtube.com/watch?v=ZAdJ7CdN7DY>
3. Ansible Network Modules <https://www.youtube.com/watch?v=zMkqhC6KT3c&list=PLplGU0K93TA6k5L6VX9mYnwgPK5MYe_9c>
4. Managing network devices with Ansible <https://www.youtube.com/watch?v=HtMeDbGEylU>
5. Self-healing networks using ansible <https://www.youtube.com/watch?v=ZqvTtFnBV-c>
6. Chuck Wiechman Training
   1. <http://tweak.eng.level3.com/>
   2. Work at your own pace introduction to Ansible, Jinja and GIT: <http://gitlab.i3.level3.com/cwiechma/ansible-training/tree/master>
   3. Ansible How-To’s: <https://wiki.level3.com/wiki/Ansible-howto>
   4. GIT How-To’s: <https://wiki.level3.com/wiki/Git-howto>

**APIs**

1. What are API’s ? <https://www.youtube.com/watch?v=GZvSYJDk-us>

2. OPENAPI 3.0 <https://www.youtube.com/watch?v=6kwmW_p_Tig>

**JSON**

1. JSON for beginners <https://www.youtube.com/watch?v=IWcUJLUAO2A>

**Node JS Resources For Itential Training Courses**

1. Java Script Object Overview [https://www.tutorialspoint.com/javascript /javascript\_objects.htm](https://www.tutorialspoint.com/javascript%20%20/javascript_objects.htm)

2. Self-paced Node training <https://www.galvanize.com/web-development/prep>