Week 1:

YouTube channel: Tech with Tim ([https://www.youtube.com/channel/UC4JX40jDee\_tINbkjycV4Sg).](https://www.youtube.com/channel/UC4JX40jDee_tINbkjycV4Sg).%20) This channel has a lot of Python, Java, and NodeJS tutorials that can help you review the basics.

Book: "Introduction to Algorithms" by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein. This book is a great resource for learning about data structures and algorithms.

Practice problems: LeetCode (<https://leetcode.com/>), HackerRank (<https://www.hackerrank.com/>), and CodeSignal (<https://codesignal.com/>). These websites have a variety of coding problems that you can solve in Python, Java, and NodeJS.

Git tutorial: Git documentation (<https://git-scm.com/doc>). The official Git documentation is a great resource for learning about Git.

Week 2:

YouTube channel: Back To Back SWE (<https://www.youtube.com/channel/UCmJz2DV1a3yfgrR7GqRtUUA>). This channel has a lot of videos on problem-solving techniques that are commonly used in technical interviews.

Practice problems: LeetCode (<https://leetcode.com/>), HackerRank (<https://www.hackerrank.com/>), and CodeSignal (<https://codesignal.com/>). These websites have a variety of coding problems that you can solve in Python, Java, and NodeJS.

MongoDB tutorial: MongoDB University (<https://university.mongodb.com/>). MongoDB University has a lot of free courses that can help you learn about MongoDB.

CosmosDB tutorial: Microsoft Azure Cosmos DB documentation (<https://docs.microsoft.com/en-us/azure/cosmos-db/>). The official Cosmos DB documentation is a great resource for learning about Cosmos DB.

Elasticsearch tutorial: Elastic documentation (<https://www.elastic.co/guide/en/elasticsearch/reference/current/getting-started.html>). The official Elasticsearch documentation is a great resource for learning about Elasticsearch.

Week 3:

YouTube channel: Derek Banas (<https://www.youtube.com/user/derekbanas>). This channel has a lot of videos on software design patterns and object-oriented programming concepts in Python, Java, and NodeJS.

Docker tutorial: Docker documentation (<https://docs.docker.com/>). The official Docker documentation is a great resource for learning about Docker.

Redis tutorial: Redis documentation (<https://redis.io/documentation>). The official Redis documentation is a great resource for learning about Redis.

AWS tutorial: Amazon Web Services documentation (<https://aws.amazon.com/documentation/>). The official AWS documentation is a great resource for learning about AWS.

Week 4:

YouTube channel: CoderPro (<https://www.youtube.com/channel/UC1cUovCJGhAsmUo_9z2DPiw>). This channel has a lot of videos on mock interviews and coding challenges that can help you prepare for online assessments.

Practice problems: LeetCode (<https://leetcode.com/>), HackerRank (<https://www.hackerrank.com/>), and CodeSignal (<https://codesignal.com/>). These websites have a variety of coding problems that you can solve in Python, Java, and NodeJS.

Kubernetes tutorial: Kubernetes documentation (<https://kubernetes.io/docs/home/>). The official Kubernetes documentation is a great resource for learning about Kubernetes.

GCP tutorial: Google Cloud documentation (<https://cloud.google.com/docs>). The official Google Cloud documentation is a great resource for learning about GCP.

OpenCV tutorial: OpenCV documentation (<https://docs.opencv.org/>).

Additional tips:

Stay up to date with the latest trends and technologies in software development, such as cloud computing, containerization, and microservices.

Join online communities and forums to ask questions, get feedback, and share knowledge with other developers.

Don't forget to take breaks, get enough rest, and stay hydrated. Good luck!