

- ✔ Personal Recommendation / Opinion
- ✔ Alternative Option - Pick this or purple
- ✔ Order in roadmap not strict (Learn anytime)

If you are just getting started, visit the simplified version listing learning tips and ideas.

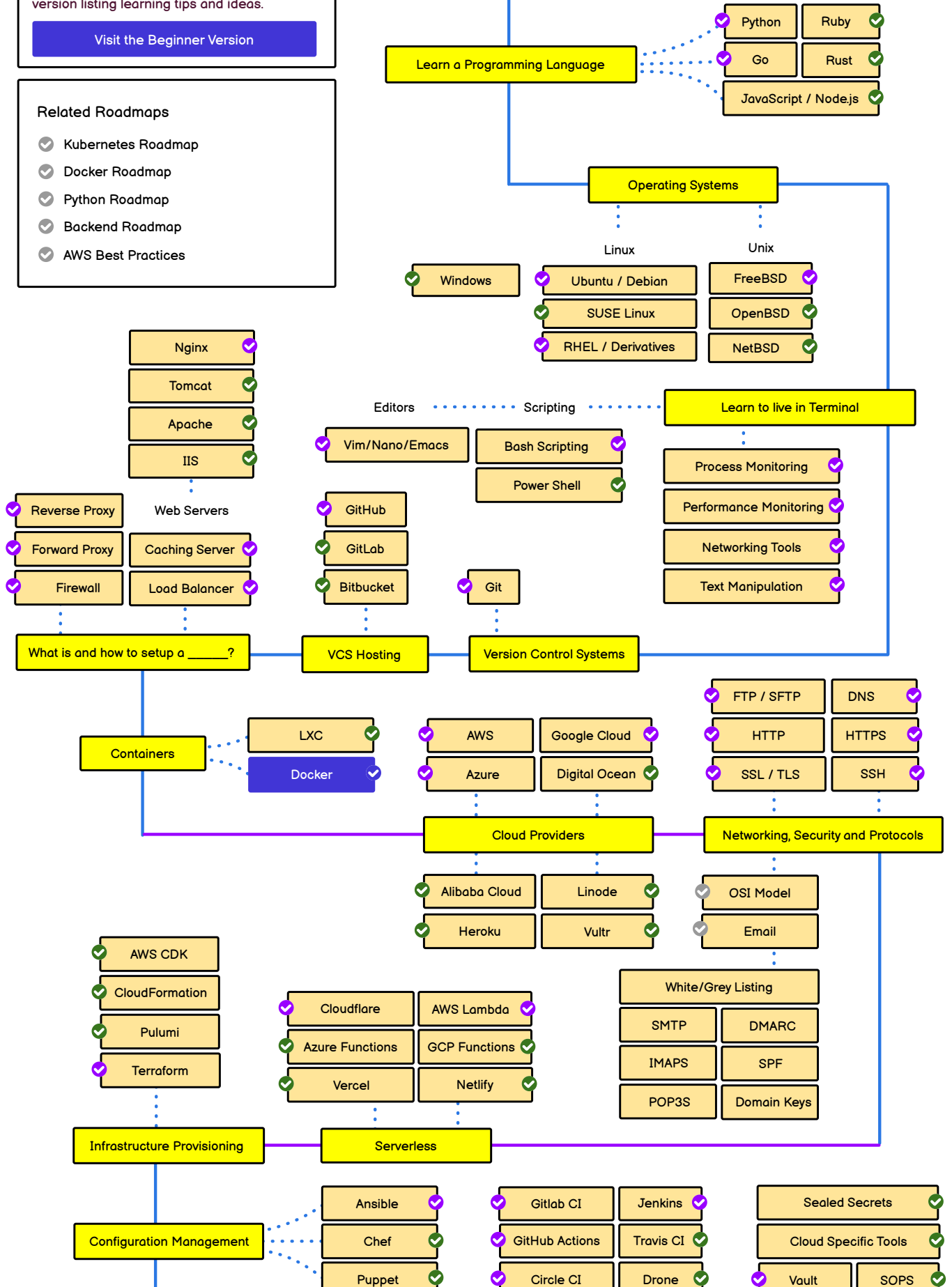
[Visit the Beginner Version](#)

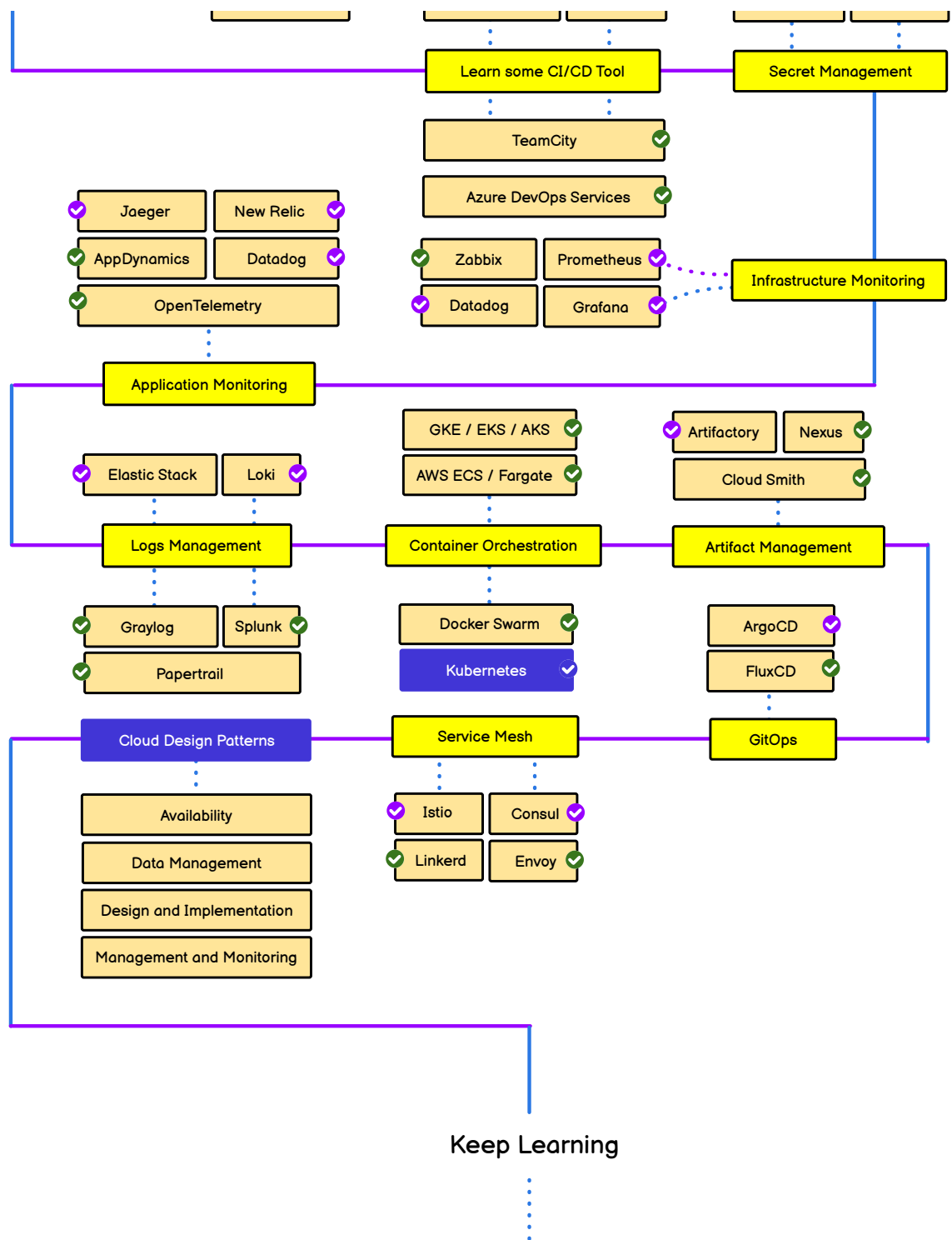
- Related Roadmaps
- ✔ Kubernetes Roadmap
  - ✔ Docker Roadmap
  - ✔ Python Roadmap
  - ✔ Backend Roadmap
  - ✔ AWS Best Practices

Find the detailed version of this roadmap along with resources and other roadmaps

<https://roadmap.sh>

## DevOps





### How do Agile and DevOps interrelate?

Agile and DevOps both prioritize collaboration, continuous improvement, and delivering working software. They can be used together to create a more efficient software development process. Agile emphasizes iterative development and customer satisfaction, while DevOps emphasizes automating processes and integrating development and operations teams. When used together, Agile and DevOps can improve software development and delivery by streamlining processes and enhancing collaboration.

### What are some misconceptions about DevOps?

Some common misconceptions about DevOps include:

**DevOps is just automation:** While automation is an important part of DevOps, it's not the only thing. DevOps is a culture that emphasizes collaboration, communication, and integration between development and operations teams to improve the quality and speed of software delivery.

**DevOps is just a job title:** DevOps is a mindset and set of practices, not a specific job title. Anyone involved in the software development and delivery process can adopt a DevOps mindset and apply DevOps practices in their work, including developers, testers, operations engineers, and others.

**DevOps eliminates the need for IT operations:** DevOps does not eliminate the need for IT operations. Instead, it changes the way that operations teams work by promoting collaboration with development teams and introducing new tools and processes for deployment, monitoring, and maintenance.

### How to become a DevOps Engineer?

To become a DevOps Engineer, you need to have technical skills in areas such as development, automation, containerization, cloud, CI/CD pipelines etc. Some sample tools and technologies to learn may include any programming language, AWS, Ansible, Terraform, Docker, Kubernetes, Jenkins, Git, and monitoring and logging tools. Gain experience by working on DevOps projects, develop a DevOps mindset, get certified, and apply for DevOps Engineer positions by highlighting your skills and experience in your resume.