← How Much Python for DevOps?

How Much Python for DevOps? + Free Resources

Why Python for DevOps?

- Automation (scripts, CI/CD, cloud provisioning)
- API integrations (with tools like Jenkins, Docker, AWS, etc.)
- Infra as Code (writing logic in Terraform, Ansible scripts)
- Z Log Parsing, Monitoring, and Alerting

o Python Topics You NEED (DevOps Focused)

1 Topic	Level	Vse in DevOps
Variables & Data Types	Beginner	Basic scripts, config management
Conditional Statements	Beginner	Logic-based decisions
Loops (for, while)	Beginner	Automation scripts, monitoring loops
Functions	Intermediate	Reusable infra or CI/CD logic
File Handling (read/write)	Intermediate	Log parsing, reports
Exception Handling	Intermediate	Fail-safe automation scripts
Modules & Packages	Intermediate	Code organization
Subprocess Module	Advanced	Run Bash commands via Python
Working with APIs (requests)	Advanced	REST API Integration (e.g., Jenkins, AWS)
JSON/YAML Parsing	Advanced	Config handling, Kubernetes manifests
OS Module / Pathlib	Intermediate	File and environment operations
Basics of OOP (Optional)	Basic	Tool writing, modular scripting

← How Much Python for DevOps?

Platform	∯ Resource	Link
YouTube	Abhishek Veeramalla	<u>Link</u>
Docs	Official Python Docs	<u>Link</u>
Practice	W3Schools Python	<u>Link</u>
Projects	Projects Real Python Mini Projects	
GitHub	Awesome Python Scripts	Explore