DevSecOps with AWS - 86S

# Demo Session

**31-AUG-2025**

* Why DevSecOps is popular
* JoinDevOps platform features
* Mentorship sessions
* Interview preparation

# What is DevOps?

**Session-01:**

**01-SEP-2025**

* What is SDLC?
* Waterfall vs Agile vs DevOps
* What is DevOps?

# Linux

**Session-02:**

**02-SEP-2025**

* AWS account creation
* Linux vs Windows
* SSH Keys
* Firewall creation
* Launch instance
* Connect instance

**Session-03:**

**03-SEP-2025**

* Linux commands
* Touch, cat, ls, uname, curl, wget, grep, cut, awk

**Session-04:**

**04-SEP-2025**

* Vim editor
* User management
* Permissions

**Session-05:**

**05-SEP-2025**

* File ownership
* User management
* Package management
* Service management

**Session-06:**

**08-SEP-2025**

* Process management
* Network management
* 3 tier architecture

**Session-07:**

**09-SEP-2025**

* Linux is Kernel
* Installing Mobaxterm
* Expense project
* Database installation
* Application Server

**Session-08:**

**10-SEP-2025**

* How internet works
* Public IP vs Private IP
* Expense project completed

**Session-09:**

**11-SEP-2025**

* How does DNS work?
* Forward proxy vs Reverse proxy

**Session-10:**

**12-SEP-2025**

* Forward vs Reverse proxy
* HTTP methods and status codes
* Inodes symlink hardlink

**Session-11:**

**15-SEP-2025**

* Roboshop Start
  + MongoDB
  + Catalogue
  + Frontend
  + Redis
  + User
  + Cart

**Session-12:**

**16-SEP-2025**

* Roboshop Start
  + MySQL
  + Shipping

**Session-13:**

**17-SEP-2025**

* Roboshop Start
  + RabbitMQ
  + Payment
  + Dispatch
* Sync vs Asynchronous

# Shell Scripting

**Session-14:**

**18-SEP-2025**

* Why scripting
* Introduction to git, git bash, vs code app, git hub repo.
* Centralised vs Distributed
* Git repo and commands , git clone , git pull , git add , git commit,user,mail.
* Shebang in shell script.
* Shell script on Variables.

**Session-15:**

**19-SEP-2025**

* Variables
* Data types
* Quiz

**Session-16:**

**22-SEP-2025**

* Conditions
* Exit status
* Functions
* Colors
* Logs
* Redirections

**Session-17:**

**23-SEP-2025**

* Loops
* Error handling
* AWS CLI
* AWS commands to create instances and R53 records
* MongoDB Setup through shell script

**Session-18:**

**24-SEP-2025**

* Sed editor
* Catalogue script
* Idempotency
* Set and trap

**Session-19:**

**25-SEP-2025**

* Roboshop Setup completed using shell script
  + Redis
  + MySQL
  + RabbitMQ
  + User
  + Cart
  + Shipping
  + Payment
  + Frontend
* How to call one script from another script
  + Direct calling
  + Source calling
* Common script

**Session-20:**

**26-SEP-2025**

* Roboshop completed using common scripts
* Delete old logs
* Find command
* While loop
* Backup script