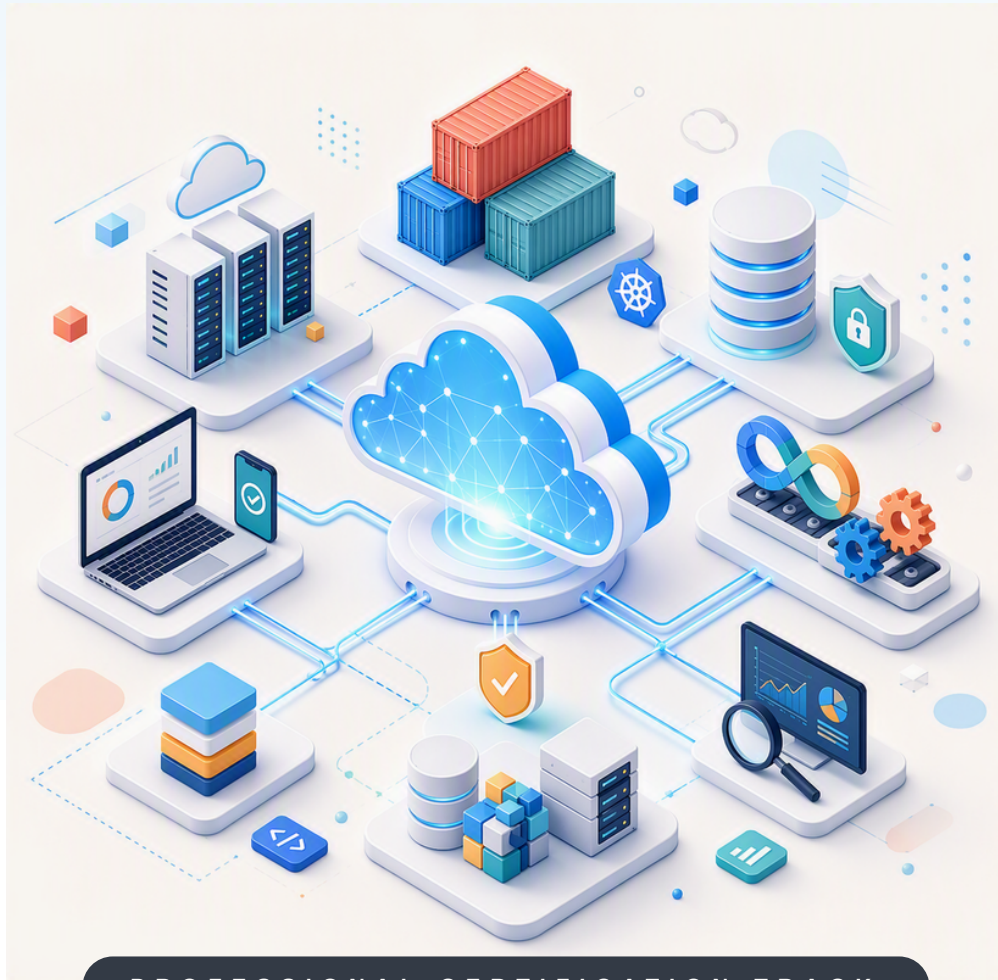




PROFESSIONAL CERTIFICATION TRACK

AWS Cloud & DevOps Mastery Program

Practical Learning · Real Projects · Interview Readiness



Cloud Engineer



Solutions Architect



Cloud DevOps
Architect



Docker &
Kubernetes
Administrator

NAVIGATE THE PROGRAM

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WHO WE ARE

About Us

SudoLabs Academy is a job-oriented Cloud & DevOps learning institution dedicated to practical, real-world training. We transform fresh graduates and working professionals into **job-ready engineers** through hands-on experience, real projects, and guidance from industry mentors.



Who We Are

A team of practicing Cloud & DevOps Architects and mentors who teach the way the industry actually works — real tools, real scenarios, no fluff.



What We Teach

Cloud Engineering, Solutions Architecture, Cloud DevOps and Docker & Kubernetes — from core foundations to production-grade delivery.



Our Mission

To make quality Cloud & DevOps skills practical and accessible — helping learners confidently apply concepts on the job, not just pass exams.



Why Learn With Us

Live weekend classes, hands-on assignments, real capstone projects, plus interview prep, resume support and mock interviews.

LEARNING TRACKS



Cloud Engineer 0-3 YRS EXPERIENCE

Cloud foundations, core AWS services and real-time project exposure.



Solutions Architect 5-8+ YRS EXPERIENCE

Design secure, scalable, highly available, cost-effective architectures.



DevOps Architect AUTOMATION & DELIVERY

Git, Docker, Kubernetes, Helm, CI/CD, automation & monitoring.

WHAT YOU GET

About the Program

At SudoLabs, our programs are built with one clear objective — to prepare learners for **real-world engineering roles, not just certification exams**. Training progresses logically from foundations to industry-standard architectures, hands-on implementation, troubleshooting and complete end-to-end projects. You learn **how and why** a service is used on the job.



What's Included

- ✓ Hands-on labs and assignments
- ✓ Live, instructor-led classes by practicing engineers
- ✓ Real industry scenarios & troubleshooting
- ✓ Interview prep & mock interviews
- ✓ Resume guidance & portfolio building



Program Duration

- Individual track: approximately **3 months**
- Combined path: approximately **6 months**
- Weekend live classes, **2-hour sessions**
- Self-paced labs between sessions

THE COMPLETE CLOUD & DEVOPS LIFECYCLE



Source



Build



CI/CD



Deploy



Containerize



Secure



Monitor

**Learn the Core. Build the Skills. Become Job Ready.**

We train you to understand, build, troubleshoot, architect and confidently explain real cloud work.

WHERE THIS LEADS

Career Outlook

With rapid adoption of AWS, automation, containers, IaC and cloud-native platforms, skilled Cloud & DevOps professionals remain in strong demand. **Your career grows with your skills.**

STAGE	ROLE	SALARY (USD)	SALARY (INR)
Entry	AWS Associate Cloud Engineer	\$70K – \$100K	₹4 – ₹8 LPA
Entry	Junior DevOps Engineer	\$80K – \$105K	₹5 – ₹10 LPA
Mid	AWS Cloud Engineer	\$95K – \$130K	₹8 – ₹16 LPA
Mid	DevOps Engineer	\$110K – \$145K	₹12 – ₹22 LPA
Mid	Site Reliability Engineer (SRE)	\$115K – \$155K	₹15 – ₹28 LPA
Senior	Senior AWS Cloud Engineer	\$130K – \$170K	₹18 – ₹32 LPA
Senior	Senior DevOps Engineer	\$140K – \$180K+	₹18 – ₹35 LPA
Senior	AWS Solutions Architect	\$140K – \$200K+	₹22 – ₹40+ LPA
Senior	DevSecOps Engineer	\$130K – \$190K+	₹18 – ₹35 LPA
Lead	Cloud / DevOps Architect	\$150K – \$220K+	₹25 – ₹45+ LPA
Lead	Platform / Cloud Engineering Lead	\$150K – \$210K+	₹25 – ₹45+ LPA



Roles you can target

Cloud Engineering · DevOps · SRE · Platform Engineering · DevSecOps · Cloud Architecture



Skills that drive growth

AWS · Networking · Docker · Kubernetes · CI/CD · Monitoring · Security

**Salary figures are indicative and vary by experience, location, employer, certifications and technical expertise.*

INDUSTRY-FOCUSED LEARNING

Key Features

Real-world skills. Career-ready training built to make you confident on the job.



Certificates

Course completion certificate from SudoLabs, plus recognition of hands-on projects and practical skills gained.



Career Support

Interview preparation, technical guidance, resume preparation and dedicated mock interview sessions.



Curriculum Experience

Live weekend classes, focused 2-hour sessions, and completion in ~3 months per program with real scenarios.



Tools & Technologies

Learn the exact tools used by real engineering teams — 45+ AWS services and industry-standard DevOps tooling.



Capstone & Portfolio

Build end-to-end projects mirroring production workloads and create a portfolio you can showcase to employers.

Cloud Engineer

MODULE-BASED CURRICULUM · HANDS-ON + LIVE PROJECT · FRESHERS & 0-3 YRS



Cloud Fundamentals & AWS Essentials

Module 1

- What is Cloud Computing? Types of cloud & major providers
- Deployment models: Public, Private & Hybrid Cloud
- Service models explained: **IaaS, PaaS, SaaS**
- AWS Global Infrastructure: Regions & Availability Zones
- Introducing our sample application (used as a reference throughout)
- **Hands-on:** Create an AWS account, tour the Console & service categories



Identity, Access & Core Compute

Module 2

- **IAM:** Users, Groups, Roles, Policies, MFA, AWS CLI & SDK, auditing basics
- **EC2:** Launching instances, instance types & families, AMIs
- EBS volumes, Security Groups, Key Pairs, User Data, Tags
- Purchasing options: On-Demand, Spot, Reserved & Savings Plans, Dedicated vs Shared



Elasticity & Networking

Module 3

- **Load Balancers & Auto Scaling:** types of LBs, ASG concepts & benefits
- **VPC deep dive:** Subnets, Route Tables, Internet & NAT Gateways, NACLs
- VPC Peering, Transit Gateway, VPN, Direct Connect
- VPC Endpoints & PrivateLink



Storage, Databases & Content Delivery

Module 4

- Storage concepts: Block vs File vs Object storage
- **S3:** storage classes, bucket policies, lifecycle rules, versioning
- **EBS** volume types & snapshots; **EFS** shared storage
- **Databases:** RDS, Aurora, DynamoDB, ElastiCache
- **DNS & CDN:** Route 53 routing policies & CloudFront

TRACK 01 · CURRICULUM — PART 2

Cloud Engineer

MODERN COMPUTE · SECURITY · REAL PROJECT & CAREER READINESS



Modern Compute — Containers & Serverless Module 5

- Intro to containers & **Docker basics**
- **ECS, EKS & Fargate** — running containers on AWS
- Serverless computing & **AWS Lambda** basics
- Decoupling with **SNS & SQS**



Monitoring & Security Module 6

- **CloudWatch deep dive:** metrics, dashboards, alarms, logs
- **Security services:** Inspector, GuardDuty, KMS, Secrets Manager, AWS Artifact



End-to-End Project & Industry Practices Module 7

- Build a **full running project** using the services learned
- How the IT industry actually works: how tasks are assigned & delivered
- Staging vs Production accounts, POCs, ADRs (Architecture Decision Records)
- Documentation & delivery processes



Capstone Demo & Career Readiness Module 8

- **Capstone task:** project assigned to candidates + live demo
- Common **interview questions** & how to answer them
- **Resume points** you can put to work immediately

TRACK 02 · MODULES 1-5

Solutions Architect

DESIGN SECURE, SCALABLE, HIGHLY AVAILABLE & COST-EFFECTIVE ARCHITECTURES



Cloud & AWS Fundamentals Module 1

- AWS Global Infrastructure — Regions, AZs, Edge Locations
- AWS Well-Architected Framework (the 6 pillars)
- Shared Responsibility Model · account setup & billing



Identity & Access Management Module 2

- Users, Groups, Roles & Policies (identity vs resource-based)
- Cross-account access, permission boundaries, best practices
- AWS Organizations & SCPs · Secrets Manager & SSM Parameter Store



Compute — EC2 Module 3

- EC2 instance families, AMIs, key pairs, user data
- Security Groups & Network ACLs
- Pricing: On-Demand, Reserved, Spot, Savings Plans
- Auto Scaling Groups & Launch Templates



Storage — S3 & EBS/EFS Module 4

- S3 buckets, storage classes, lifecycle, versioning
- S3 encryption (SSE-S3, SSE-KMS), bucket policies
- EBS volumes & snapshots; EFS shared file storage



Networking — VPC Module 5

- VPC, subnets, route tables, IGW & NAT Gateway
- VPC Endpoints & PrivateLink
- Route 53 (DNS, routing policies, health checks)

TRACK 02 · MODULES 6-10

Solutions Architect

PRODUCTION-GRADE, RESILIENT & MULTI-ACCOUNT ARCHITECTURES



Databases Module 6

- Amazon RDS (MySQL, PostgreSQL, Aurora) — Multi-AZ & Read Replicas
- DynamoDB basics (tables, indexes, capacity modes)
- ElastiCache (Redis/Memcached) for caching



Containers Module 7

- Docker on AWS: ECR, ECS (Fargate), EKS overview
- When to choose ECS vs EKS vs Lambda



Resilience & High Availability Module 8

- Elastic Load Balancing (ALB/NLB) + Auto Scaling patterns
- Multi-AZ vs Multi-Region designs
- Backup, snapshots & basic Disaster Recovery



Organizational Complexity & Multi-Account Module 9

- AWS Organizations, Landing Zone / Control Tower
- Centralized logging, billing & governance
- Advanced IAM: cross-account roles, federation, IAM Identity Center



Advanced Networking & Hybrid Connectivity Module 10

- Transit Gateway, VPC Peering at scale
- Direct Connect & Site-to-Site VPN
- Advanced Route 53 & global traffic management

TRACK 03 · MODULES 1-5

Cloud DevOps Architect

CI/CD · DEPLOYMENT STRATEGIES · CONFIGURATION MANAGEMENT · CONTAINERS

∞

DevOps Foundations & the Delivery Lifecycle

Module 1

- DevOps culture, CALMS, and the software delivery lifecycle
- AWS DevOps toolchain overview; account & IAM setup for pipelines
- Git-based workflows, branching strategies & artifact versioning

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CI/CD Pipelines on AWS

Module 2

- **CodePipeline** — end-to-end pipeline orchestration
- **CodeBuild** — build automation, buildspec, caching
- **CodeDeploy** — deployment automation & lifecycle hooks
- **CodeArtifact / ECR** — artifact and container image management
- Integrating automated testing (unit, integration, security scans) into pipelines



Deployment Strategies

Module 3

- In-place vs Rolling, **Blue/Green**, and **Canary** deployments
- Deployment to EC2, ECS, and EKS
- Automated rollback on failed deployments



Configuration Management

Module 4

- **AWS Systems Manager** (Parameter Store, Run Command, Patch Manager)
- Environment configuration & secrets via Secrets Manager
- Managing fleets and OS-level configuration at scale



Containers & Orchestration for DevOps

Module 5

- Docker fundamentals in a pipeline context
- **Amazon ECS (Fargate)** and **EKS** — deploying & scaling containers
- Helm overview for Kubernetes delivery

TRACK 03 · MODULES 6-9

Cloud DevOps Architect

AVAILABILITY · OBSERVABILITY · SECURITY · GOVERNANCE



Highly Available & Self-Healing Systems

Module 6

- Auto Scaling, Elastic Load Balancing & health checks
- Multi-AZ and Multi-Region architectures



Monitoring & Metrics

Module 7

- **CloudWatch** — metrics, dashboards, alarms, composite alarms
- CloudWatch Logs, Logs Insights & centralized logging



Security & Compliance Automation

Module 8

- IAM policy automation, permission boundaries & least privilege
- **AWS Config** rules & conformance packs (compliance as code)
- **GuardDuty, Inspector, Security Hub** overview for automated threat detection



Governance at Scale

Module 9

- AWS Organizations, SCPs & multi-account governance
- Centralized logging and guardrails across accounts
- Cost & performance optimization in CI/CD workflows

TRACK 04 · DOCKER — CONTAINERIZATION

Docker & Kubernetes

MODULES 1-5 · FROM FIRST IMAGE TO KUBERNETES FOUNDATIONS



Getting Started with Containers

Module 1

- Docker Introduction & Architecture
- Virtual Machines vs Docker
- Installation & Environment Setup



Working with Images & Containers

Module 2

- Understanding Images and Containers
- Dockerfile: A Deep Dive



Registries & Image Management

Module 3

- Pushing Docker Images
- Working with AWS ECR (Elastic Container Registry)



Data, Networking & Scaling

Module 4

- Docker Volumes (Persistent Storage)
- Docker Networking
- Multi-Container & Multi-Stage Build Architecture



Kubernetes Foundations

Module 5

- Kubernetes Introduction & Architecture
- Core components overview
- kubectl & cluster interaction basics

TRACK 04 · KUBERNETES — ORCHESTRATION

Docker & Kubernetes

MODULES 6–10 · CORE OBJECTS, SCHEDULING, CONFIG, STORAGE & NETWORKING



Core Kubernetes Objects

Module 6

- Pods, ReplicaSets, Deployments
- Services & Namespaces
- kubectl: Behind the Scenes



Scheduling & Pod Placement

Module 7

- How Scheduling Works · Labels & Selectors, Node Selectors
- Taints & Tolerations, Affinity Rules
- DaemonSets, Static Pods, Admission Controllers



Application Lifecycle & Configuration

Module 8

- Rolling Updates & Rollbacks · ConfigMaps & Secrets
- Commands, Arguments & Env Variables
- Multi-Container Pods, Init Containers, HPA & VPA



Storage

Module 9

- Persistent Volumes (PV) & PVCs
- Storage Classes & dynamic provisioning



Networking

Module 10

- CoreDNS, CNI (Container Network Interface)
- Ingress and Ingress Controllers

TRACK 04 · ADVANCED ORCHESTRATION

Docker & Kubernetes

MODULES 11–13 · SECURITY, HIGH AVAILABILITY & PACKAGE MANAGEMENT



Security

Module 11

- TLS & Kubeconfig · Authentication & Authorization
- RBAC, Service Accounts, Cluster Roles
- Network Policies & Custom Resource Definitions (CRD)



Cluster Administration & HA

Module 12

- Cluster Upgrades (technical document provided)
- High Availability Architecture · Kubeadm Installation



Package & Configuration Management

Module 13

- Helm — Kubernetes package management
- Kustomize — declarative configuration



The Complete Container Journey

From building your first image to administering a production-grade, highly available Kubernetes cluster with security, storage, networking and Helm-based delivery — you finish ready for real container operations.

HANDS-ON ACROSS EVERY TRACK

AWS Tools Covered

45+

SERVICES



Compute

3

Amazon EC2

Auto Scaling (ASG)

AWS Lambda



Networking & CDN

7

VPC

Route 53

CloudFront

ELB (ALB/NLB)

Transit Gateway

Direct Connect

PrivateLink



Containers & Orchestration

7

Docker

Amazon ECR

Amazon ECS

Amazon EKS

AWS Fargate

Kubernetes

Helm



CI/CD & Automation

4

CodePipeline

CodeBuild

CodeDeploy

CodeArtifact



Storage

3

Amazon S3

Amazon EBS

Amazon EFS



Security & Governance

9

IAM

IAM Identity Center

Organizations & SCPs

KMS

Secrets Manager

GuardDuty

Inspector

Security Hub

AWS Config



Databases & Caching

4

Amazon RDS

Amazon Aurora

DynamoDB

ElastiCache



Monitoring & Messaging

5

CloudWatch

Logs Insights

SNS

SQS

Systems Manager

RECOGNITION OF YOUR SKILLS

Sample Certificate



Ready to become job-ready?

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