



Sonali Kurade

+91 7620 774 352

sonali.k593@gmail.com

www.careerbytecode.in



COURSE SYLLABUS

30-Day DevOps Interview Mastery Bootcamp

A 30-day, live daily online bootcamp for DevOps, Cloud, Kubernetes, Azure DevOps, AWS, Platform Engineering and SRE candidates — combining production troubleshooting, enterprise projects and daily mock interviews with resume, LinkedIn and career mentoring so you show up interview-ready, production-ready and job-ready.

30 Days • 15 Modules • ~30 Hrs Live • Daily Mock Interviews • Enterprise Projects

PROGRAM OVERVIEW

Course Overview

The 30-Day DevOps Interview Mastery Bootcamp runs one live class every evening for a month — daily 10:00 PM to 11:00 PM IST — pairing hands-on production troubleshooting with enterprise-scale scenarios and back-to-back mock interviews. Every module ties directly to what hiring panels probe: Linux, Git, CI/CD, Docker, Kubernetes, Terraform, AWS, Azure DevOps, observability, on-call, and the résumé, LinkedIn and behavioural rounds that decide the offer.

30

Days Live

15

Modules

~30

Hrs Live

Daily

Mock Interviews

Any

Level → Job-
Ready

By the end of 30 days you can walk into DevOps, Cloud, Kubernetes, SRE and Azure DevOps interviews and answer scenario questions the way an experienced engineer would — with a real portfolio, a hardened résumé and the composure that comes from doing it every day for a month.

Learning Made simple

WHO IT'S FOR

Who This Course Is For

Built for practitioners and job seekers ready to convert what they know (and what they've been rusty on) into offers — inside 30 focused days.



Aspiring DevOps Engineers

Prepare for your first DevOps role with the depth interviewers actually test — Linux, CI/CD, containers, and production reasoning.



Cloud & Platform Engineers

Sharpen AWS / Azure interview scenarios, Kubernetes debugging, and Terraform state stories that separate strong candidates.



SRE & On-Call Practitioners

Practice incident storytelling — observability signals, root-cause explanations, and blameless post-mortems on real failures.



Career Switchers & Job Seekers

Any-level friendly — rebuild your résumé, LinkedIn and Naukri, and get daily mock-interview reps to shed rustiness fast.

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BEFORE YOU START

Prerequisites

You'll get the most out of the bootcamp arriving with basic command-line comfort and a laptop that's ready to work. Every deeper topic — Kubernetes, Terraform, cloud services — is taught from the ground up.

- ✓ Comfortable using a terminal and running basic Linux commands
- ✓ A laptop with reliable internet — 8 GB RAM recommended
- ✓ Any exposure to programming or scripting (Bash, Python, Go, or similar)
- ✓ Familiarity with version control (Git basics — clone, commit, push)
- ✓ A GitHub account and willingness to build a public portfolio
- ✓ Any level welcome — foundational topics recap on Day 1

New to DevOps? Come anyway. Module 01 resets the fundamentals, and Modules 02–03 (Linux + Git) bring absolute beginners onto the same footing before we hit CI/CD.

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How the Bootcamp Runs

One hour, every night, for thirty consecutive days. The four-week arc moves you from fundamentals to interview reps — with troubleshooting scenarios folded into every module.



Week 1 • Foundations & Core

Interview roadmap, Linux, Git, CI/CD, Docker — 7 daily sessions building the base every panel probes.



Week 2 • Containers, Cloud & IaC

Kubernetes deep dive, Terraform, AWS DevOps interview prep — the meat of every senior interview loop.



Week 3 • Cloud & Observability

Azure DevOps interview prep, Prometheus/Grafana/ELK/Loki, and the production troubleshooting masterclass.



Week 4 • Interview & Career

Daily mock interviews, résumé and ATS work, behavioural coaching, and placement-preparation strategy.

Daily cadence

Live class every day, 10:00 PM – 11:00 PM IST. Recordings shared for asynchronous review. Weekend labs go deeper on production troubleshooting and enterprise projects. Each week also includes a visibility task — 1 LinkedIn post + 1 short video, tagging @CareerByteCode — counting toward the certificate.

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Course Modules

Fifteen modules across thirty days — every one built to translate directly into an interview answer, a résumé bullet, or a portfolio project.

MODULE 01

01

DevOps Interview Foundation

Foundation

• Duration: 1 day (1 hr) • Interview roadmap

Topics covered

- ◆ Current DevOps and Cloud hiring trends — what mid- and senior-level panels probe
- ◆ The interview funnel: shortlist → screen → technical → managerial → HR
- ◆ How companies actually evaluate candidates — signals interviewers look for
- ◆ Résumé shortlisting secrets: ATS keywords, formatting, and the “impact” line
- ◆ Reading a JD like an interviewer: mapping tools to interview topics
- ◆ Setting your 30-day plan: focus areas by role (DevOps, SRE, Cloud, Platform)

Live scenario

Interviewer says: “Walk me through your résumé.” We’ll rehearse a 90-second version and a 3-minute version, using STAR anchors, in tonight’s class.

MODULE 02

02

Linux Administration & Production Troubleshooting

Core

• Duration: 2 days (2 hrs) • Live troubleshooting

Topics covered

- ◆ File-system, user management, permissions (``chmod``, ``chown``, `sudoers`)
- ◆ Process management, `systemd` services, `cron`, log rotation
- ◆ Networking essentials: ``ss``, ``netstat``, ``iptables``, DNS, routing
- ◆ Storage: partitions, LVM, filesystems, disk-usage forensics
- ◆ Log analysis: ``journalctl``, ``grep``/``awk``/``sed``, correlating timestamps
- ◆ Performance analysis: ``top``, ``htop``, ``iostat``, ``vmstat``, load reasoning

Real interview scenarios you'll troubleshoot live

Server Down · High CPU · High Memory · Disk Full · Permission Issues · Application Failures. Each one framed as an interviewer would ask it.

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03

MODULE 03

Git & GitHub Mastery

Core

• Duration: 1 day (1 hr) • Interview drills

Topics covered

- ◆ Git internals: objects, refs, HEAD, index — enough to answer the tricky questions
- ◆ Workflows: trunk-based, GitFlow, GitHub Flow — when panels ask which and why
- ◆ Branching strategies for teams; rebase vs merge, when each is right
- ◆ Resolving merge conflicts confidently — the classic screen-share exercise
- ◆ Pull Requests: review etiquette, review comments, quality signals
- ◆ GitHub best practices: protected branches, code owners, actions basics

Interview drill

"A colleague accidentally pushed a secret to `main`. Walk me through your next 10 minutes." We'll drill the answer live.

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04

MODULE 04

CI/CD Pipeline Engineering

Intermediate

• Duration: 3 days (3 hrs) • Live troubleshooting

Topics covered

- ◆ Jenkins architecture, agents, credentials, shared libraries — real questions asked
- ◆ GitHub Actions: workflows, matrix builds, reusable workflows, OIDC to cloud
- ◆ Azure DevOps Pipelines: YAML pipelines, templates, environments, approvals
- ◆ Build automation, artefact management, semantic versioning
- ◆ Deployment strategies: blue/green, canary, rolling — trade-offs interviewers probe
- ◆ Rollback design and pipeline security (secret handling, supply-chain basics)

Live troubleshooting sessions

Failed builds · pipeline errors · deployment failures — you'll debug real broken pipelines and explain your reasoning as you would to an interviewer.

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05

MODULE 05

Docker Deep Dive

Intermediate

• Duration: 2 days (2 hrs) • Production issues

Topics covered

- ◆ Images, layers, and the build cache — what interviewers probe about efficiency
- ◆ Containers, namespaces, cgroups — the “what actually is a container?” answer
- ◆ Docker networking: bridge, host, overlay — when each is wrong
- ◆ Volumes and storage drivers — data persistence and backup considerations
- ◆ Multi-stage builds, image size reduction, base-image selection
- ◆ Docker Compose for local dev; container security hardening basics

Production issues to solve live

Container crash loops · volume problems · network isolation · performance bottlenecks — diagnosed in-session with a story you can retell in an interview.

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Kubernetes Production Mastery

Intermediate

• Duration: 4 days (4 hrs) • Production troubleshooting

Topics covered

- ◆ Core objects: Pods, ReplicaSets, Deployments, Services, ConfigMaps, Secrets
- ◆ Ingress and network flow: how a request actually reaches a Pod
- ◆ Persistent volumes, storage classes, and stateful workloads
- ◆ Autoscaling: HPA, VPA, cluster autoscaler — when each fires
- ◆ Helm charts: templating, values, release management — plus RBAC design
- ◆ Debugging the classics: `CrashLoopBackOff`, `ImagePullBackOff`, `Pending`, DNS, scheduling

Production troubleshooting

You'll break a cluster, fix it, and rehearse the interview answer — because every interviewer asks about at least one of these failure modes.

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Terraform & Infrastructure as Code

Intermediate

• Duration: 2 days (2 hrs) • Real scenarios

Topics covered

- ◆ Terraform fundamentals: providers, resources, data sources, lifecycle rules
- ◆ Modules: authoring, versioning, and enterprise module structure
- ◆ Variables, outputs, locals — writing a module a stranger can use
- ◆ State management: local vs remote, locking, and the danger of manual edits
- ◆ Remote backends: S3 + DynamoDB, Terraform Cloud, Azure Storage
- ◆ Enterprise deployments: workspaces, environments, and CI/CD integration

Real interview scenarios

State lock stuck · drift detection · resource recovery (``terraform state rm``, ``import``) — the exact stories senior interviewers probe.

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AWS DevOps Interview Preparation

Intermediate• **Duration: 3 days (3 hrs)** • **Production scenarios**

Topics covered

- ◆ IAM — policies, roles, trust relationships, and the “why not use root?” answer
- ◆ EC2, VPC, subnets, route tables, security groups vs NACLs
- ◆ ALB and Auto Scaling groups: request flow and scaling policies
- ◆ S3: storage classes, lifecycle, encryption, cross-region replication
- ◆ CloudWatch, Route53, and ECS/EKS — what interviewers ask about each
- ◆ Cost optimisation: reserved vs spot, tagging strategy, right-sizing

Production scenarios

Scaling under a traffic spike · hardening a public bucket · investigating a bill · monitoring service health — four canonical AWS interview stories.

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Azure DevOps Interview Preparation

Intermediate

• Duration: 3 days (3 hrs) • Enterprise scenarios

Topics covered

- ◆ Azure DevOps: Boards, Repos, Pipelines, Artifacts — the whole workflow
- ◆ Azure VMs, Availability Sets, Availability Zones, and Scale Sets
- ◆ AKS: node pools, cluster autoscaling, ingress, and workload identity
- ◆ Azure Storage tiers, Key Vault for secrets, and network security groups
- ◆ App Services, deployment slots, and hybrid connections
- ◆ Azure networking: VNets, peering, private endpoints, and gateway options

Enterprise scenarios

Multi-stage pipeline design · release management with approvals · infrastructure automation with ARM/Bicep or Terraform — the stories Azure panels return to.

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Monitoring, Logging & Observability

Intermediate

• Duration: 2 days (2 hrs) • Signal design

Topics covered

- ◆ The three pillars: metrics, logs, traces — and where each is right
- ◆ Prometheus: exporters, PromQL basics, recording and alert rules
- ◆ Grafana: dashboards, variables, unified data-source strategy
- ◆ ELK stack and Loki: log shipping, indexing, and cost trade-offs
- ◆ Alerting design: symptom vs cause alerts, SLOs, on-call sanity
- ◆ Incident analysis: reading dashboards backwards from the impact window

Interview reasoning

"Given these three panels, tell me what happened." We'll practise reading incident dashboards out loud — the on-call story panels probe for.

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MODULE 11

11

Production Troubleshooting Masterclass

Advanced

• Duration: 2 days (2 hrs) • Enterprise incidents

Topics covered

- ◆ Structured troubleshooting: hypothesis, evidence, invalidation
- ◆ Kubernetes failures · Docker networking · SSL and certificate expiry
- ◆ DNS failures, load-balancer misroutes, and split-brain symptoms
- ◆ Jenkins job failures, Terraform state drift, and cloud API outages
- ◆ Database connectivity, connection-pool exhaustion, high query latency
- ◆ Security incidents: leaked credentials, exposed endpoints, containment steps

Every day this week

You'll solve a real enterprise incident — on the clock, out loud, in front of peers — then rebuild the answer into an interview story with a clean cause → fix → prevention arc.

12

MODULE 12

Daily Live Mock Interviews

All levels

• Duration: 2 days dedicated + daily throughout • Personalised feedback

Topics covered

- ◆ Technical interviews: system design fundamentals for DevOps roles
- ◆ Managerial interviews: prioritisation, incident retros, cross-team stories
- ◆ HR interviews: motivation, gaps, notice period, offer conversation
- ◆ Architecture discussions: whiteboard exercises, capacity and cost trade-offs
- ◆ Whiteboard sessions: diagramming a CI/CD pipeline or a K8s deployment live
- ◆ Résumé-based interviews: defending every bullet on your own résumé

Personalised feedback

Every mock ends with structured feedback covering technical accuracy, structure, communication clarity, and one specific improvement to bring into tomorrow's mock.

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13

MODULE 13

Résumé, ATS & LinkedIn Optimisation

All levels

• Duration: 1 day (1 hr) • Hands-on rewrite

Topics covered

- ◆ ATS résumé review: keywords, formatting rules, and the failure modes to avoid
- ◆ Résumé rewrite guidance: the “impact bullet” formula panels notice
- ◆ Project enhancement: turning tutorial work into portfolio-grade entries
- ◆ LinkedIn optimisation: headline, About, Featured, and the activity signal
- ◆ Naukri profile optimisation for the Indian market (headline, key skills, availability)
- ◆ Recruiter search optimisation: showing up for the right JDs

What you leave with

One rewritten résumé, one updated LinkedIn, and one Naukri profile that recruiters actually surface — reviewed and finalised inside the session.

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MODULE 14

14

Communication & Behavioural Interview Skills

All levels

• Duration: 1 day (1 hr) • Live coaching

Topics covered

- ◆ Self-introduction: the 60-second and 3-minute versions, both scripted and rehearsed
- ◆ The STAR method for behavioural answers: Situation, Task, Action, Result
- ◆ Common HR questions: strengths, weaknesses, why-you, why-us — honest, not rehearsed
- ◆ Leadership questions for senior candidates: conflict, ownership, mentoring
- ◆ Salary negotiation: framing the range, holding the anchor
- ◆ Offer discussion, counter-offers, and how to close professionally

Communication confidence

You'll be recorded, played back, and coached on filler words, pace, and structure — the delta between “knows the answer” and “lands the answer”.

MODULE 15

15

Career Strategy & Placement Preparation

All levels

• Duration: 1 day (1 hr) • Strategy session

Topics covered

- ◆ Job-search strategy: which channels convert for DevOps and Cloud roles
- ◆ Referral strategy: mapping your network and asking without being awkward
- ◆ Recruiter communication: replying fast, screening in and screening out
- ◆ Company research: reading engineering blogs, tech-stack signals, panel prep
- ◆ Offer comparison: base, variable, ESOPs, benefits, growth vs stability
- ◆ Career growth roadmap: L1 to senior — the moves that compound

Honest framing

The bootcamp prepares you for interviews and helps you present better. It does not guarantee placement or a specific offer — the strategy, portfolio and reps you build here are what actually convert.

Enterprise Projects & Resources

Every module builds toward projects you can point recruiters at. Discussed in class, hardened in labs, and framed as portfolio pieces you can talk about with confidence in interviews.



AWS End-to-End Deployment

VPC, ALB, ECS/EKS, RDS, CloudWatch — the full three-tier story.



Azure Multi-Stage Pipeline

Azure DevOps YAML pipeline, AKS, Key Vault, and approvals across environments.



Kubernetes Production Platform

Helm-managed workloads, ingress, autoscaling, RBAC, and metrics/log stack.



Docker + Compose Local Dev

Multi-service local environment mirroring production topology.



Jenkins Enterprise CI/CD

Shared libraries, credentials, multi-branch pipelines, and rollback design.



GitHub Actions Cloud Deploys

OIDC to AWS/Azure, matrix builds, reusable workflows, and environment secrets.



Terraform Modular Infrastructure

Reusable modules, remote state, drift detection, and PR-driven infra changes.



Helm Chart Authoring

Templated Kubernetes deploys with values, dependencies, and release strategies.



Monitoring & Alerting Stack

Sonali Kurade • +91 7620 774 352 • sonali.k593@gmail.com • www.careerbytecode.in



Linux Automation

Certificate & Criteria

On completion you receive an official, verifiable **Certificate of Completion – 30-Day DevOps Interview Mastery Bootcamp**, signed by **Sangeetha, Director, CareerByteCode**, with a unique reference ID in the format **CBC-DIMB-2026-0001**.

What the certificate is – honestly.

An official, verifiable certificate of **completion** with a unique reference ID, and a strong portfolio credential. It is **not** a government or university qualification and does **not** by itself confer immigration points or guarantee a job. What employers value is the real project and public portfolio behind it – which is exactly what the bootcamp helps you build.

What completion requires

- ✓ Attend the daily live sessions across the 30 days (recordings for missed sessions).
- ✓ Complete the weekly hands-on labs and troubleshooting exercises.
- ✓ Submit the four weekly visibility posts (1 LinkedIn post + 1 short video each week, tagging @CareerByteCode).
- ✓ Deliver at least one enterprise project as a portfolio artefact on GitHub.
- ✓ Complete the mock-interview rounds and act on the personalised feedback.

Certificate reference-ID format: **CBC-DIMB-<YEAR>-<NNNN>**. Bootcamp certificates carry a validity window shared at issue; the honest disclosure block above appears on every issued credential.

WHAT YOU'LL ACHIEVE

Learning Outcomes

By the end of the 30 days you will be able to:

- 1 Walk into DevOps, Cloud, Kubernetes, SRE and Azure DevOps interviews and answer scenario questions with the composure of an experienced engineer.
- 2 Troubleshoot production issues — Linux, containers, K8s, CI/CD, Terraform, cloud — with a structured, hypothesis-driven approach.
- 3 Design, build and explain enterprise-grade DevOps architectures and defend the trade-offs you made.
- 4 Ship a public portfolio of enterprise projects on GitHub, framed as résumé bullets recruiters actually surface.
- 5 Deliver an ATS-optimised résumé, an active LinkedIn profile, and a Naukri profile tuned to your target roles.
- 6 Handle behavioural, managerial and HR rounds with STAR-structured answers and a rehearsed self-introduction.

Join a **2.4M+ community** of learners and DevOps professionals for continued mentorship, doubt-solving, interview updates, peer networking and job-referral opportunities long after the bootcamp ends.

Notes

◆ Time & Cadence

One live class every day for 30 consecutive days — **10:00 PM – 11:00 PM IST**. That's ~30 hours of live, mentor-led training. Recordings are shared for review; weekend labs go deeper on production troubleshooting.

◆ Weekly Visibility Task

Each week: 1 LinkedIn post + 1 short video, tagging **@CareerByteCode** plus your assigned cohort mentor(s), with **careerbytecode** as an Instagram collaborator. Four weekly posts total, counting toward the certificate.

◆ Lab Environment

You'll need a laptop with reliable internet, a GitHub account, and any free-tier cloud account (AWS free tier or Azure free credits). A local Docker + `kind` / `k3s` install is enough for the Kubernetes labs; cloud accounts are used for AWS/Azure-specific scenarios.

◆ Tools & Cost

All tooling used in the bootcamp is free or free-tier: Docker, Git, GitHub, GitHub Actions, Jenkins (local), Prometheus, Grafana, Terraform, VS Code. Cloud accounts (AWS free tier / Azure free credits) may incur small billing if free-tier limits are exceeded — treat them like production and clean up after each lab.

◆ Certificate & Portfolio

Successful completion is recognised with the **Certificate of Completion — 30-Day DevOps Interview Mastery Bootcamp**, unique reference ID (**CBC-DIMB-2026-0001**), signed by Sangeetha, Director, CareerByteCode. Your GitHub portfolio and rewritten résumé/LinkedIn are yours to keep and use.

READY TO START?

Join Now & Start Learning

All you need is a laptop, a good internet connection and the prerequisites covered earlier. Message us on WhatsApp and our team will guide you through enrolment and the next cohort start date.

 **Message us on WhatsApp**



Scan to message us about the 30-Day DevOps Interview Mastery Bootcamp

wa.me/917620774352

Prerequisites: Command-line comfort · any programming exposure · Git basics · a laptop & good internet. Any level welcome — foundations reset on Day 1.



THANK YOU

Sonali Kurade

+91 7620 774 352

sonali.k593@gmail.com · www.careerbytecode.in