



upGrad

DevOps Engineer Bootcamp

Land an Exclusive Interview Opportunity!

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ABOUT UPGRAD

upGrad is an online education platform to help individuals develop their professional potential in the most engaging learning environment. With an exponential increase in demand for skilled individuals, our aim is to help working professionals upskill in emerging new-age technologies.

“DevOps Engineer Bootcamp” aims to deliver conceptual knowledge along with hands on-experience to ensure a successful start for your career in the industry. At upGrad, we aim to leverage technology in order to transform the way education is delivered in the digital age.



Our aim is simple:

We strive to create high-impact, hands-on experiences that prepare students for meaningful and productive careers.

Ronnie Screwvala

Co-founder and Executive Chairman

upGrad

ABOUT THE BOOTCAMP

Our comprehensive hands-on program, led by industry experts, will equip you with the knowledge and skills needed to **Master DevOps** practices and tools. You'll learn to manage cloud infrastructure across AWS, Azure, and GCP, master configuration management tools like Ansible and Terraform, apply continuous delivery and testing mechanisms, and improve production infrastructure with release engineering.

With real-world projects, guided exercises on cloud labs, industry case studies, and best-in-class live training, you'll gain practical experience and be job-ready upon completion.

Our program includes comprehensive job support, including mock interviews and analysis, to help you Put together an impressive profile and a stellar portfolio of projects, prepare for interviews, and get ready to land a job in the high-demand DevOps domain.



PROGRAM HIGHLIGHTS

76

Hours of Live
Instructor-led Training

205

Hours of On-Demand
Learning

80

Guided Hands-On
Exercises

30+

Auto-Graded
Assessments

17

Practice Assignments

4

Industry-grade Capstone
Projects

7

Industry-based
Mini-Project

2

Mock Interviews and
Feedback

PROGRAM DETAILS



Program Duration

4.5 Months



Eligibility Criteria

Final year students pursuing their graduation or professionals with 0-3 years of experience wanting to kick-start career as DevOps Developer can apply for the program.



Program Fee

~~₹ 85,000~~ + GST ₹ 59,500 + GST (non-refundable fees)

Admission Process



Step 1:
Apply for the program



Step 2:
Complete your application



Step 3:
Pay block amount



Step 4:
Reserve your seat

PLACEMENT STATS

70000+

Career Transition

12

LPA Exciting salaries

44%

Average Salary Hike

650+

Hiring Partners



WHY THIS BOOTCAMP?

Here are some reasons why a DevOps Bootcamp can be beneficial:

- 1. Skill Development:** Bootcamps offer a structured learning environment designed to provide hands-on training and skill development.
- 2. Industry-Recognized Certifications:** Bootcamps often provide participants with certifications that are recognized by industry leaders, such as Amazon Web Services (AWS), and Microsoft Azure. These certifications can enhance your credibility and help you stand out in the job market
- 3. Networking Opportunities:** Bootcamps provide a great opportunity to network with other participants and instructors. You can exchange ideas, collaborate on projects, and potentially meet industry professionals who can provide guidance and job opportunities.
- 4. Career Advancement:** These skills are in high demand and are expected to remain so in the foreseeable future. Bootcamps can help you gain the skills and certifications needed to advance in your current career or pivot to a new one.

	Video Courses	Bootcamps	upGrad
Interview Opportunity	No	No	Yes
Real-World projects	No	Yes	Yes
Career guidance sessions	No	Yes	Yes
Value for Money*	No	No	Yes
Immersive Learning Experience	No	No	Yes

OUTCOME-BASED IMMERSIVE LEARNING

LEARN:

Get an engaging and immersive learning experience with a focus on rich video content, detailed explanations, and interactive elements such as flashcards and quizzes to reinforce learning.

PRACTICE:

Write code directly into your browser and get expert feedback. Practice and apply what you've learned in a hands-on manner.

ASSESS:

Explore diagnostic, module-level, and final assessments. Track your skills learning progression and demonstrate your knowledge and capabilities.

INSIGHTS:

Comprehensive reports offer deep insights for both learners and organizations. You can assess skills progression and make informed decisions about learning strategies.

APPLY:

Gain work-like experiences through industry-grade projects designed to simulate real-world scenarios. Apply your skills and knowledge in a practical setting, similar to developers in leading tech companies.

CAREER PATH WITH SALARY PACKAGES

DevOps Engineer

₹ 8 LPA

Senior DevOps Engineer

₹ 17 LPA

Lead DevOps Engineer

₹ 22 LPA

Principal DevOps Engineer

₹ 32 LPA

VP Engineering

₹ 50 LPA



PROGRAM

CURRICULUM

1. Introduction to DevOps process

Topics Covered :	<ul style="list-style-type: none">• Understanding the DevOps Process• Continuous Improvement, the Essential Driver behind• DevOps DevOps and Automation• DevOps and the Bigger Picture• Trends that Go Hand in Hand with DevOps
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2. Basics of Networking and Cloud services

Topics Covered :	<ul style="list-style-type: none">• Basics of Networking• Networking on Linux• Networking on Windows• Introduction to VPN• Foundation of Cloud Computing• Overview of AWS, Azure, and GCP• Introduction and Comparison of Services: AWS, Azure, and GCP• Get Hands-On with Project 1
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PROGRAM

CURRICULUM

3. Becoming Proficient in Linux Functions

Topics Covered :	<ul style="list-style-type: none">• Introduction to Linux• Linux Command Line• Files and Directories• Creating and Editing Files• User, Group and Permissions• Other Essential Features• Processes in Linux
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4. Mastering Bash Scripting

Topics Covered :	<ul style="list-style-type: none">• Files, Folders and Relationships• Strings Management• Metadata• Pipelines• Parameters and Command Substitution• Search and Replace
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PROGRAM

CURRICULUM

5. Mastering Version Control using Git

Topics Covered :	<ul style="list-style-type: none">• Introduction to Version Control with Git• Git from the Command Line• Everyday Git Commands• Github/Gitlab Runners• Git Branches and Approvals• Git Tagging, Branching, Merging and Workflow• Get Hands-On with Project 2
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6. Building with Maven and Serverless Computing

Topics Covered :	<ul style="list-style-type: none">• Installing and Configuring Maven• Build Project Using Command Line• Use Custom Repository Managers• Develop a Multi-Module Maven Project• Introduction to Serverless Computing• Creating Serverless Function• Deploying and Using Serverless Function
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PROGRAM

CURRICULUM

7. Continuous Integration and Continuous Development

Topics Covered :	<ul style="list-style-type: none">• Introduction to CI/CD Pipelines• Installing and Configuring Jenkins• CI with Jenkins• CD with Jenkins• Plugin in Jenkins• Jenkins Pipeline-As-Code• Jenkins Administration• Jenkins Security
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8. Containers and Dockers

Topics Covered :	<ul style="list-style-type: none">• Introduction to Dockers• Introducing Containers and Images• Living with Images and Containers• Getting it Done Better with Compose• Docker Orchestration• Security• Get Hands-On with Project 3
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PROGRAM

CURRICULUM

9. Infrastructure Provisioning with Terraform

Topics Covered :	<ul style="list-style-type: none">• Introduction to Provisioning and Terraform• Working with State• Managing Terraform with Git• Terraform Workspaces• Integrating a CI/CD Pipeline with Terraform• Reusability• Refactoring and Review
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10. Configuration Management and Ansible

Topics Covered :	<ul style="list-style-type: none">• Introduction to Configuration Management• Installing and Configuring Ansible• Working with Ansible• Ansible and Playbook Grammar• Ansible Modules• Ansible Roles• Ansible Tower
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PROGRAM

CURRICULUM

11. Container Orchestration and Management

Topics Covered :	<ul style="list-style-type: none">• Introduction to Kubernetes• Kubernetes Architecture• Working with Pods, Deployments, and Replicasets• Kubernetes Networking and Storage• Ingres, Load Balancer, and Security• Kubernetes Controllers• Cluster Management• Get Hands-On with Project
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12. Quality Testing

Topics Covered :	<ul style="list-style-type: none">• Introduction to Quality• Testing Testing Phases and Types• Test Automation• Overview of Selenium and WebDriver• Code Quality Testing using Sonarqube• Get Hands-On with Project 5
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PROGRAM

CURRICULUM

13. Reporting and Analysis

**Topics
Covered :**

- Introduction to Grafana
- Developing Reports and Dashboards

14. DevSecOps

**Topics
Covered :**

- Introduction to DevSecOps
- Understanding Shift Left Security Approach

15. Logging and Monitoring

**Topics
Covered :**

- Introduction to Prometheus
- PromQL
- Prometheus Exporters and Deploy Node Exporter
- Docker and Kubernetes Monitoring using Prometheus

PROGRAM

CURRICULUM

16. Introduction to IAM, User roles and policies

Topics Covered :	<ul style="list-style-type: none">• Introduction to Cloud Providers• Overview of IAM User, Role, and Policies
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17. Managed Services on AWS/ Azure/ GCP

Topics Covered :	<ul style="list-style-type: none">• Introduction to Managed Services• Overview of Database Services• Overview of Data Storage Services• Overview of Load Balancer• Overview of Cloud Frond• Overview of API Hosting Services• Overview of API Gateway
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OUR TESTIMONIALS



Ayush Maltare



It was up to my expectations, Cloud, Infrastructure as a code, all the areas of DevOps were covered. I have been working in the field of DevOps for the last 4 years, but I did not have a complete idea about it. Through this program, I gathered all the required knowledge on DevOps and now I can plan my projects on it. All the required features were there. Study materials provided by the mentor were the best part. Join the program to get a complete understanding of DevOps. Keep learning new things.



Mukund Tolay



DevOps program gave me new opportunities to explore in IT sector and access high paid job opportunities. Live classes were very helpful in understanding the concepts. opportunities in workplace



Vivek Bharos



I found the course to be flexible and learner friendly. I liked the course content and the trainer's approach. With the DevOps certification course, I was able to up-skill my knowledge on the program as well as started feeling confident about my work.

It helped me to develop and grow.

OUR TESTIMONIALS



Suyog Salunkhe



Being from Mechanical background and moving towards IT was difficult. But the course helped me change my career path towards better opportunities. It was a great experience, and I learned a lot. I loved how the trainers explained the concepts in detail.



Sharad Singh



I joined this program for upskilling and growth. The program is easy and very flexible with any learners whether from tech or non-tech background can benefit from it. The content on docker helped me to get my new job. This is the best place to upskill, one should look forward to joining. Being from a Computer Science background my engineering degree only taught me basics of Software development. After joining DevOps program I was able to upskill myself. I now have a proper understanding on Docker, Deploying applications both manually and using Jenkins on servers, in Java and React based applications.

Upgrad helped me to develop my skills for better opportunities in workplace

PROJECT PORTFOLIO



Deployment of a Python App on Kubernetes Cluster
Deploying a pre-built Python-based app over Docker containers and applying the same with containers in Kubernetes private cluster.



Configuration, Provision, and Monitoring a node.js App Configuration in Ansible using Node.js-based API, provisioning using Terraform and monitoring metrics with Prometheus and Grafana.



Deployment of Full-Stack Web App over AWS Cloud
Deploy a full web app on AWS: front-end on AWS CloudFront, middleware on AWS EBS, and back-end on AWS EKS.



Deployment of Full-Stack Android App over Cloud Build, ship, and host a full-stack application on Cloud with the flexibility to leverage the breadth of cloud services..

OUR SUBJECT MATTER EXPERTS



Sonal Mittal
Cloud DevOps Trainer
Ex-TCS



Devang Lakhani
AWS & Google Cloud
Architect
Ex-Credit Suisse



Michael Bright
Linux/CKA Trainer
Ex-HP



Naushad Pasha
Technical Training
Specialist
Self Employed



Mukul Malhotra
DevSecOps Architect
Ex-Seagate, Ex-AMEX



Ravi Kulkarni
DevOps and Cloud
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Ex-Capgemini,
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Director
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