upGrad

Cloud 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.

“Cloud 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

*Terms & Conditions apply

ABOUT THE BOOTCAMP

Level up your career with our immersive **Cloud Engineer Bootcamp** and unlock highly sought-after positions in today's digital landscape. Gain a comprehensive understanding of the cloud ecosystem, from networking and storage to infrastructure and security to automation and AI/ML integration. Dive into hands-on training with cutting-edge cloud technologies like AWS and Microsoft Azure.

With a focus on **AWS, Azure, and Google Cloud Platform (GCP),** you'll master DevOps, automation, and cloud security for successful cloud computing across diverse environments. You'll explore next-level Artificial Intelligence in Cloud Engineering, empowering you to leverage **AI and Machine Learning** within cloud environments. Additionally, you'll learn how to build SaaS applications in the cloud, enabling you to develop scalable and innovative solutions.

Our flexible learning environment, with self-paced options, allows you to balance education with your current job. Taught by industry experts, our hands-on approach ensures that you're job-ready with real-world experience.

As you master cloud technologies in safe practice environments, you'll spruce up your project portfolio with industry-grade capstone projects. Gear up to ace **9 certification exams across AWS, Azure and GCP**. Enhance your credentials and position yourself as a sought-after Cloud Engineer.



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PROGRAM HIGHLIGHTS

100
Hours Instructor-Led Sessions

80+
Hours of Self-Paced Video Content

10+
Industry-Grade Capstone Projects

70
Hours of Hands-On Learning with Cloud Labs

258
Guided Hands-On Exercises

22
Assignments for Practice

100+
Auto-Graded Assessments

4
Mock Interviews by Industry Experts

10
Real-World Case Studies for Applied Learning

PROGRAM DETAILS

Program Duration

7.5 Months

Eligibility Criteria

Final year students pursuing their graduation or professionals with 0-3 years of experience wanting to kick-start career in Cloud Computing Domain can apply for the program.

Admission Process

Step 1:
Apply for the program

Step 2:
Complete your application

Step 3:
Pay block amount

Step 4:
Reserve your seat

WHY THIS BOOTCAMP?

Hands-on Learning: Our bootcamp offers hands-on learning with real-world projects, assignments, and case studies. You'll develop practical skills needed for immediate workplace application, ensuring your success.

Access to Industry Experts: You'll benefit from the expertise of seasoned cloud computing professionals leading the bootcamp. You'll gain valuable insights from top instructors, enriching your understanding of the field.

Structured Curriculum: The bootcamp offeres a meticulously crafted curriculum aligned with current and future industry needs. You'll acquire a comprehensive understanding of the field and its components through a structured learning path.

Career Advancement: Our Cloud Engineer Bootcamp not only enhances your resume but also opens doors to better job opportunities, higher salaries, and career advancement.

	Video Courses	Bootcamps	upGrad
Cloud labs	No	No	Yes
Industry projects	No	Yes	Yes
Interview Opportunity*	No	No	Yes
Artificial Intelligence in Cloud	No	Yes	Yes
Certifications Preparation.	No	No	Yes
Coverage of Top 3 Cloud Providers	No	No	Yes

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CAREER PATH WITH SALARY PACKAGES

The Cloud Career Opportunity is Unprecedented

Head of Cloud Infrastructure
₹1 CPA

Principal Cloud Architect
₹75 LPA

Senior Cloud Architect
₹50 LPA

Cloud Architect
₹25 LPA

Network Architect
₹15 LPA

Lead- Cloud Service Provider
₹10 LPA

Cloud Service Provider
₹5 LPA

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.

PROGRAM CURRICULUM

1. Cloud Fundamentals

Learning Objective	Build a solid foundation by learning the fundamentals of Linux, mastering Python, and exploring the key terminologies used in cloud computing.

Topics Covered	• Linux Essentials • Linux – Permissions, Processes, and Networking • Python Foundation • Cloud Computing Introduction

2. AWS Expert

Learning Objective	Learn the ins and outs of AWS networking, databases, compute resources, and storage services. Develop the skills necessary to manage EC2 instances, create scalable networks, optimize databases (RDS and DynamoDB), and use storage options (S3 and EBS). Learn DevOps, security, automation, serverless computing, containers, and more.

PROGRAM CURRICULUM

Topics Covered	• AWS Networking and Content Delivery • AWS Databases • AWS Cloud Compute Provisioning and Deployment • AWS Storage Services Deep Dive • DevOps and Automation • Security and Compliance of AWS • Monitoring, Logging, and Remediation • AWS Data Management and Protection • AWS Serverless Computing and Automation

3. Azure Expert

Learning Objective	Learn Azure cloud networking, core services, compute deployment, and administration using Azure Portal and PowerShell. Gain proficiency in network and database management and learn essential aspects of monitoring, backup, security, compliance, and serverless computing with automation in Azure.

PROGRAM CURRICULUM

Topics Covered	• Azure Networking and Traffic Management • Deploy and Manage Azure Compute and Storage Resources • Azure Administration • Azure Network and Databases Management • Azure Monitoring and Backup • Security, Compliance and Governance • Serverless Computing and Automation

4. Multi Cloud Expert (AWS and Azure)

Learning Objective	Learn Azure networking, real-world monitoring, backup, security, and compliance. Explore serverless computing and automation. Learn backup and disaster recovery in Azure and AWS, focusing on architecture, deployment, troubleshooting, multi-cloud cost comparison, and optimization. Gain expertise in multi-cloud migrations

PROGRAM CURRICULUM

Topics Covered	• Backup and Disaster Recovery of AWS and Azure • Azure Architecture Deployment • Cost Optimization in AWS and Azure • Migration between AWS and Azure

5. AI, SaaS Build and Cloud Security

Learning Objective	Explore AI concepts and applications, develop creative thinking skills, and discover technologies like natural language processing and computer vision while understanding real-world AI use cases and predictive analytics

Topics Covered	• Next level Artificial Intelligence in Cloud Computing • Build SaaS Application in Cloud • Deep dive into Cloud Security

PROGRAM CURRICULUM

6. GCP Expert

Learning Objective	Explore the fundamentals of GCP, including dashboard navigation, IAM, and billing. Gain expertise in computing, networking, storage, and security. Explore multi-cloud strategies, data management, hybrid architecture, and cost optimization.

Topics Covered	• Introduction to Google Cloud GCP • Foundation • Multi-Cloud with GCP • Career and Certification Guidance

PROJECT PORTFOLIO

Apply the concepts learned during the bootcamp to create industry-grade projects by building a robust, job-worthy portfolio suitable for top tech companies.

Here are some of the types of projects you will develop:



Disaster Recovery
Automate the Amazon EBS snapshots life cycle for data migration and Disaster Recovery for better backup compliance using Amazon DLM.



VPC Peering
Setup peering connection between 2 VPCs, where all the subnets in VPC_2 should be private and accessible from EC2 instance launch in VPC_1.



AWS CLI
Use CloudFormation to launch an Amazon EC2 instance and automate Apache webserver installation.



AWS CodePipeline
Build a pipeline that builds and deploys container applications to Amazon ECR and detects changes to source code for seamless deployment

COURSE CREATORS



Eshant Garg
Cloud Architect
Ex-Wells Fargo



Ajay Kumar Lodha
Cloud Architect
Ex-Capgemini



Anand Rao Nednur
Cloud Architect
Wipro



Prashant Pandey
Solution Architect
TCS



Dikkama Reddy Bollavaram
Tech Architect,
IBM



Ankush Choudhary
Cloud Engineer
Ex-InfraStack

OUR INSTRUCTORS



Ramasamy Panchavarnam

Google/AWS Cloud Trainer

Ex-Infosys,Sify



Abedulraheem Essam

Cloud Consultant-AWS Authorized Instructor

Thinksmart



Jatin Goel

Senior Technical Trainer

Ex-L&T Infotech



Sajid Akram

AWS Authorized Instructor

Ex-Sky



Ravi Kulkarni

DevOps and Cloud Trainer

Capgemini



Mo George Blankson

Microsoft Azure Trainer

Ex-QA Ltd

TOOLS AND
TECHNOLOGIES COVERED


Dynamo


AWS RDS




AWS VPC


AWS sns


AWS waf




AWS Redshift


AWS Events


AWS Cloudformation


AWS Route


AWS Events





and many more..

CAREER SERVICES

Career Planning & Coaching

- Goal Setting
- Personalized Career Planning
- Industry Expert Guidance

Interview Preparation

- Mock Exams, Mock Interviews
- Certification Guidance
- Interview Prep and Feedback

Dedicated Placement Support

- Target In-Demand Cloud Roles
- Resume Preparation and Portfolio Review
- Comprehensive Placement Assistance

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