

SCALER 



# DEVOPS AND CLOUD COMPUTING PROGRAM

Guided by India's finest instructors

# About Scaler



Scaler is an outcome-focused leading ed-tech platform for working professionals. We are devoted towards creating a growth ecosystem to assist professionals in unlocking their talent and seizing opportunities at every stage of their careers.

Learners enrolled with us are taught, guided, and mentored by top professionals and experts working at leading organisations including Google, Facebook, Intuit, Microsoft, Amazon, Hotstar, etc.

Our program– **DevOps & Cloud Computing** aims toward empowering both IT Professionals & Software Developers to upskill in the most effective way.

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## What India Saw in the Last Phase of 2023

60%

surge in demand for  
DevOps roles

75%

companies hired for  
DevOps roles

70%

boost in developer  
productivity

These compelling percentages underscore the indisputable demand and impact of DevOps roles in today's tech landscape.

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Scaler's **DevOps & Cloud Computing** program is a carefully designed, **12-16 month program** to catapult your career into a highly competitive world of technology. Delivered through an in-depth curriculum, this course is guided by industry leaders who bring years of experience to mentor and steer you toward professional growth.

Our **mission** is to empower you with the right skills to help you become a solid DevOps professional. You will gain invaluable exposure and practical skills through our hands-on approach involving **50+ real-world sandbox projects**.

Hence, with your hardwork and our thorough knowledge of the DevOps industry, together let's take your career to new heights.

# Program Highlights

Discover what lies ahead of you in this exciting journey, as you upskill with us.

[Request A Callback](#)



One-of-a-kind  
12-month course



Industry-vetted,  
structured curriculum



Live classroom  
learning



1:1 Mentroship with  
industry experts



Doubt-solving by  
teaching assistants



50+ Real-world  
case studies



Placement  
assistance



900+ Partner  
companies

# Adding the Scaler Touch to Devops

Scaler's approach in DevOps & Cloud Computing promises an enriching and personalised learning journey, equipping you with the relevant tools and insights to thrive.



Dive into **50+ real-world assignments** with datasets from top tech companies for hands-on learning.



Join **live case study** discussions with seasoned experts to refine your problem-solving skills.



Experience **peer-to-peer learning** in live classrooms to get diverse and unique perspectives.



Track grades, attendance, and milestones seamlessly with our **growth-tracking process**.



Stay aligned with set deadlines, allowing for **optimal learning** experiences, with penalties in case of delays.



Get **immediate assignment evaluations**, benchmark progress, and earn extra credit for dedication.



Enjoy flexible learning at your own pace, with the freedom to **pause your course** when needed.

Our comprehensive structure underlines the importance of each module so that you have a clear understanding of the course.

DURATION	TOPIC	WHY LEARN THIS
1 Month (Module 1)	<b>Programming Language: Python</b> <ul style="list-style-type: none"> <li>• Introduction to Data Types &amp; Operators</li> <li>• Control Statements</li> <li>• Loops (While and For)</li> <li>• Advanced Looping</li> <li>• Functions 1</li> <li>• Functions 2</li> <li>• Lists</li> <li>• List Slicing and List 2D</li> <li>• Strings</li> <li>• Tuples and Sets</li> <li>• Dictionaries</li> </ul>	Python is a non-negotiable skill for DevOps engineers. It allows you to strengthen your base which is essential for automating and streamlining DevOps processes.
3 Months (Module 2)	<b>Data Structure and Algorithms</b> <ul style="list-style-type: none"> <li>• Arrays</li> <li>• Bit Manipulation</li> <li>• Recursion</li> <li>• Backtracking</li> <li>• Maths for Problem-Solving</li> <li>• OOPS Basics</li> <li>• Sorting</li> </ul>	Foundational DSA is crucial for securing a well-paid role in DevOps or Cloud Computing.

DURATION	TOPIC	WHY LEARN THIS
	<ul style="list-style-type: none"> <li>• Hashing</li> <li>• Searching (Binary Search)</li> <li>• Two Pointers</li> <li>• Linked Lists</li> <li>• Stacks</li> <li>• Queues</li> <li>• Binary Tree</li> <li>• BST</li> </ul>	<p>This module will ensure that you are well-prepared for DSA interview rounds.</p>
2.5 Month (Module 3)	<b>Linux and Computer Systems</b> <ul style="list-style-type: none"> <li>• Linux</li> <li>• Shell Scripting</li> <li>• Computer Networks</li> <li>• Operating Systems</li> <li>• Process Management</li> <li>• SQL</li> </ul>	<p>In-depth knowledge of Linux and CS directly helps you in your day-to-day job. We prepare you beyond theory, mastering practical problem-solving and analysis..</p>
2.5 Months (Module 4)	<b>DevOps Tools</b> <ul style="list-style-type: none"> <li>• Ansible, Chef, Puppet</li> <li>• Git, Github Actions, Container Registry, GitOps</li> <li>• ArgoCD</li> <li>• Prometheus, Grafana</li> <li>• Docker</li> <li>• Kubernetes</li> <li>• Jenkins</li> <li>• Terraform</li> </ul>	<p>This module focusses on equipping you with the right skills to tackle complex problems using tools like Docker, Kubernetes, Ansible, Prometheus, Git, and many more, essential for DevOps roles.</p>



DURATION	TOPIC	WHY LEARN THIS
2 Months (Module 5)	<b>AWS</b> <ul style="list-style-type: none"> <li>• EC2, ECS, EKS, ECR</li> <li>• IAM (RBAC), Single Sign On, Multi Factor Authentication</li> <li>• Lambda, Fargate, Elasticbeanstalk</li> <li>• VPC, Security Groups, NAT, SubNets, ENI</li> <li>• Cost Efficiency</li> <li>• Regions and Availability Zones</li> <li>• Route 53, CloudFront, API Gateway</li> <li>• ELB, ALB, NLB, Auto-Scaling Groups</li> <li>• CI/CD - CodeCommit, Codebuild, CodePipeline, CodeDeploy</li> <li>• RDS, DynamoDB, Aurora</li> <li>• Redshift, S3</li> <li>• CloudFormation</li> <li>• SQS, SNS, SES</li> <li>• CloudWatch, EventBridge</li> <li>• Secrets Manager, Certificate Manager, Key management Service</li> </ul>	<p>AWS is the most popular cloud provider in the industry as of today. It provides multiple products that help companies build highly available, scalable systems. It is a must-have skill for many DevOps and Cloud Computing roles, with most companies having their software systems on the cloud.</p>

Learning the above modules will make you industry-ready for **DevOps, Cloud Engineer, and Cloud Associates roles.**

# Optional Electives

DURATION	TOPIC	WHY LEARN THIS
2 Months (Module 6)	<b>System Design</b> <ul style="list-style-type: none"><li>• Cache</li><li>• Microservices</li><li>• Case Studies</li><li>• NoSQL</li><li>• Message Queues</li></ul>	Learn to build scalable systems, essential for SRE roles at top tech companies like Google. Elevate your System Design skills for successful interviews.
3 Months (Module 7)	<b>Advance DSA</b> <ul style="list-style-type: none"><li>• Greedy</li><li>• Dynamic Programming</li><li>• Graphs</li><li>• Advanced Math Problems</li><li>• Advanced Backtracking Problems</li><li>• Heaps</li><li>• Tries</li><li>• Strings Pattern Matching</li><li>• Advanced Dynamic Programming Problems</li><li>• Advanced Graph Concepts</li></ul>	This module teaches advanced data structures and algorithms like Dynamic Programming and graphs that are important for interview processes of SRE roles.

After completing these extra modules you'll be ready for **SRE, Infrastructure & Platform Engineer Roles.**

# Prepare Yourself for Larger Goals

Our course will prepare you up to the standard of industry-reputed certifications, equipping you with the skills and knowledge that will significantly improve your resume shortlisting rates by up to 50%.



Please note: Scaler only prepares students to achieve these certifications. The charges for the certifications are not included in the course fee and must be paid by the candidates separately if they wish to take the exam.

## MEET YOUR INSTRUCTORS



# Learn from Top Industry Experts

## Who Once Walked In Your Shoes

Learning from seasoned instructors offers practical insights and industry wisdom, bridging the gap between theory and real-world applications for learners. Meet the instructors who will guide you through every challenge.



**Anshuman  
Singh**

Co-Founder, **SCALER**   
Ex-  **Meta**



**Naman  
Bhalla**

Ex- **Google** and  
 **cult.fit**

## MEET YOUR INSTRUCTORS



**Utkarsh  
Gupta**

Ex- **Google**, AIR-1 in  
Google Hash Code 2019



**Prateek  
Narang**

Ex- **Google** and  
Co- Founder at **CODING**  
MINUTES




**Shivank  
Agrawal**

Ex-  **Microsoft**  
Ex- **ORACLE**



**Deepak  
Kasera**

Ex-  **amazon** and **SAMSUNG**

# Take your Learning to New Heights

Navigate your career path through personalised 1:1 mentorship. Get expert guidance, interview tips, placement support and assurance of being on the right track.



**Vijay Hedge**  
DevOps Engineer  
Walmart

Vijay is experienced in implementing top-notch DevOps methodologies and utilizes various tools & technologies to drive automation for impactful scenarios.



**Shivansh Bajpai**  
DevOps Engineer-3  
amazon

Shivansh led full-scale data transformation at Azure Databricks, using Python and SQL to process Avro files into data frames. He also addressed real-time QA/ PROD issues.



**Rakesh Budde**  
Software Engineer-1  
CLOUDERA

Rakesh led the successful migration of Docker Compose services to Kubernetes, ensuring seamless deployments using Python, Django Rest & more.



**Arnab Seal**  
Sr. DevOps Engineer  
Inflection

Arnab Seal is driving the transformation of Inflection.io's platform using tools like AWS, Terraform, Python, Github and more.

# Onboarding Session



## Course Introduction:

Start in a customised cohort and forge meaningful connections with people who will be your allies on this journey.

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## Choose your Mentor:

Select the right mentor for guidance and gain invaluable insights to boost your career.

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## Meet a Learning Coordinator:

Ensure seamless progress, support, and effective communication so you don't feel lost at any point in the course.

# LIVE Learning

From real-time interaction to instant clarification of doubts, learning in a live classroom always holds more value than a self-paced course.

## **Assignments & Homeworks**

Develop your skills & deepen your understanding by applying the techniques learned in class.

## **Learn in a LIVE classroom**

Engage with instructors and your peers in real time to get diverse perspectives and instant clarifications.

## **1:1 Mentor Guidance**

From personalised mentorship to tailored support, our mentors will guide you through every doubt.

## **Cloud Sandbox**

Get hands-on learning experience by solving 50+ real case studies that include data sets from top tech companies.

## **Situational Problem & Soln**

Aids you in developing critical thinking skills, enhancing your ability to analyse and resolve diverse problems.

## **1:1 Teaching Assistance**

Live chat and video call to resolve individual queries & questions to avoid any hindrances in your academic growth.

## **AI-assisted Problem-solving Support:**

Get insightful recommendations and solutions across a spectrum of challenges for improved efficiency and effectiveness.



# Give your Career the Boost it Deserves

With the right support and career guidance, your skills can add real impact to tech companies. We'll push your limits and prepare you like a soldier ready for war!



Get exclusive job opportunities through our **1200+ partner network**.



Optimise your resume, and LinkedIn profile to make them industry-ready. **Get full placement assistance.**



**Practice mock interviews** with your mentors.



**Connect and collaborate** with your peers to get unique perspectives.

## Our Alumni are at reputed Tech Companies & promising Startups



## What our Learners say about Scaler?



“

“Perhaps the biggest challenge in my journey was to find the right place that would give structure to my learning. Scaler's course really helped in a way my college couldn't.”

”

**-Ishan Sarma,**  
SDE-I, 



“

“Scaler's curriculum included all sorts of industry-relevant content, which was indeed what I needed at the time. I learned how to manage my time efficiently to maximise my results.”

”

**-Bharath Veldi**  
DevOps Engineer, 



“

“I truly cherish my journey to Zetwerk, and I could not have accomplished it without Scaler's help. The curriculum is industry standard, which helps one prepare for real-life challenges.”

”

**-Abirami S, SDE-II,**  **ZETWERK**

**Scan the QR code  
to take the first step towards  
becoming a  
SOLID DevOps Engineer**



**Request A Callback** >>>

Visit: <https://www.scaler.com/devops-course>

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# THANK YOU