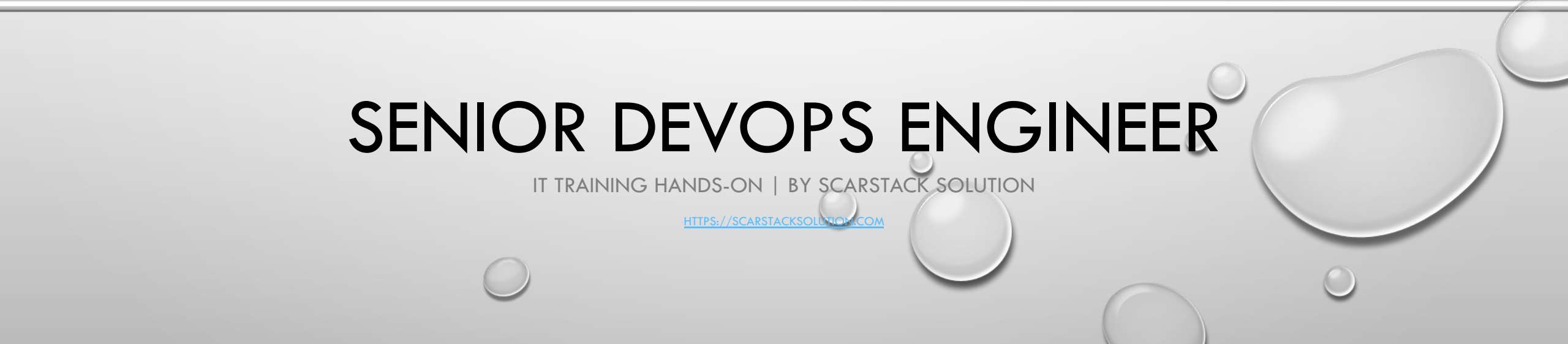




SENIOR DEVOPS ENGINEER

IT TRAINING HANDS-ON | BY SCARSTACK SOLUTION

[HTTPS://SCARSTACKSOLUTION.COM](https://scarstacksolution.com)



The Senior DevOps Engineer

Training Cost: \$1,200 | Duration: 10 Weeks

Become Highly proficient in the Containerization, Deployment, and Automation of Web Apps, RESTful APIs and Databases. You will also gain Technical skills in Continuous Integration and Delivery (CI/CD), Git Repos, Test Plans, Instrumentation Strategy, IaC, Automation Tools, Orchestration and Microservices.

• CERTIFICATION YOU'LL EARN:

Microsoft Certified DevOps Engineer Expert

Top 10 Paying companies for this Role:

1. Google: \$250,711/yr.
2. Apple: \$226,889/yr.
3. LinkedIn: \$223,047/yr.
4. LiveRamp: \$222,957/yr.
5. Amazon: \$218,114/yr.
6. NVIDIA: \$214,978/yr.
7. Zillow: \$211,773/yr.
8. Upstart: \$210,650/yr.
9. Workday: \$208,464/yr.
10. AppDynamics: \$206,486/yr.

Why Become A Senior DevOps Engineer?

Becoming a Senior DevOps Engineer is a strategic career choice driven by concrete evidence of success in major corporations, including fortune 500 leaders. Amazon reported a 75% reduction in system downtime and a 50% increase in deployment frequency after implementing Senior DevOps Engineers into their teams. In a world where downtime can cost millions and agility is paramount, this role ensures not only technical excellence but also business competitiveness.

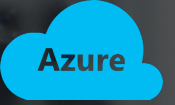
How Much Do Senior DevOps Engineers Earn?

Senior DevOps Engineers earn an average of between \$110,000 - \$175,000 per annum.

[Glassdoor Salary Confirmation](#)

What You'll Gain From This Training:

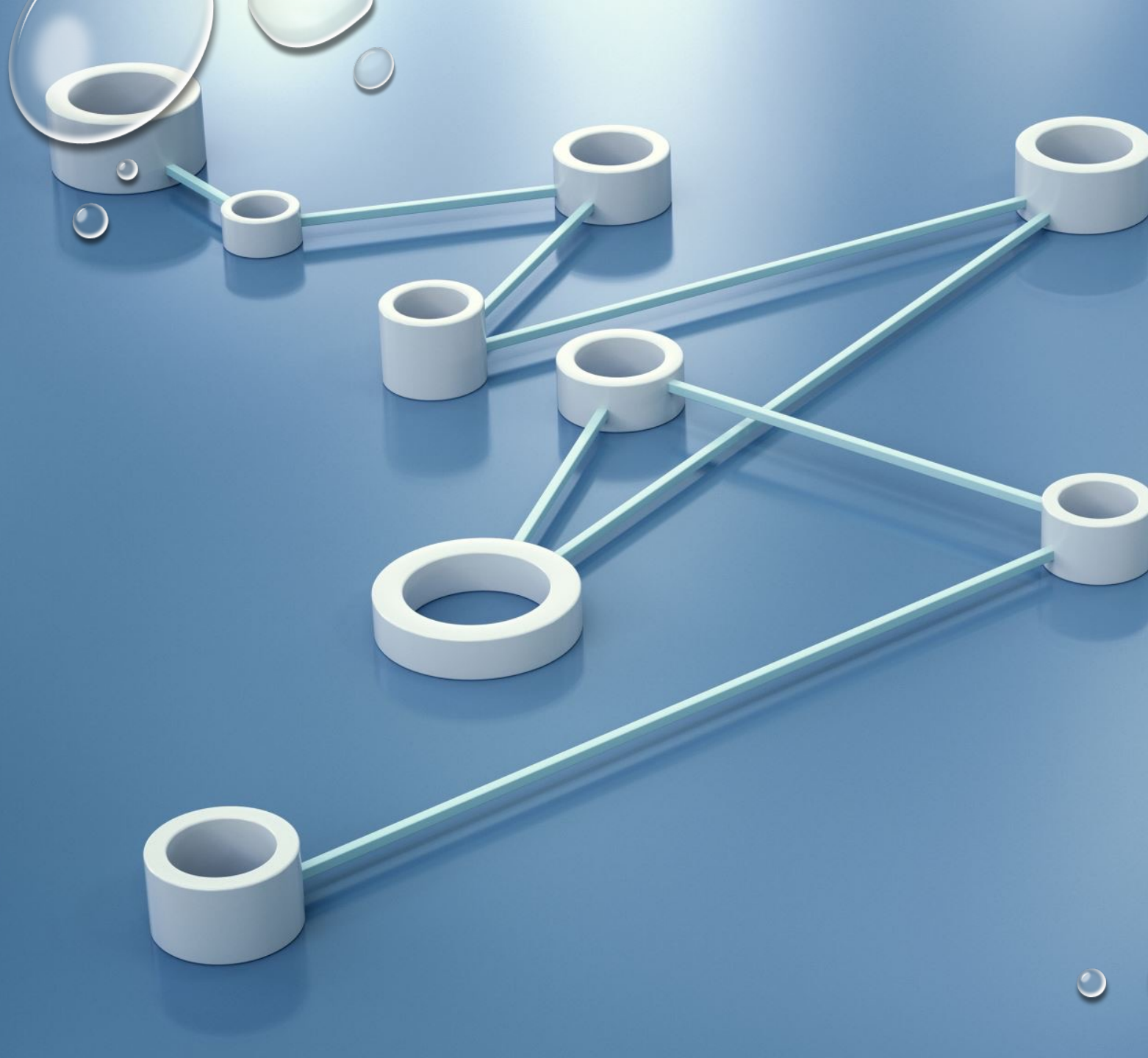
1. Practical hands-on approach through each class of the training.
2. Materials & training to earn the cloud architect certification.
3. Hands-on lab assessments to assess your skills for each class.
4. Weekly homework assignments to keep you continuously engaged.
5. Free resume building offered after training completion.
6. One-on-one mentorship to address any specific challenges.
7. Free mock interview preparations to get candidates prepared for interviews.



TOOLS AND APPLICATIONS UTILIZED

- AZURE DEVOPS
- ANSIBLE
- GITHUB
- DOCKER
- AZURE PORTAL
- KUBERNETES
- JENKINS
- VISUAL STUDIO CODE
- GIT VERSION CONTROL
- MICROSOFT VISUAL STUDIO





TRAINING MODULE

- INTRODUCTION TO DEVOPS ENGINEERING
- CONFIGURING DEVOPS ENVIRONMENTS
- VERSION CONTROL USING GIT REPOS
- CONTINUOUS INTEGRATION PROCESSES
- CONTINUOUS DELIVERY AND DEPLOYMENT
- TEST AUTOMATION AND AZURE BOARDS
- CONTAINERIZATION ORCHESTRATION
- INFRASTRUCTURE AS CODE WITH ARM
- CONFIG MANAGEMENT & AUTOMATION
- DEVOPS OPERATIONS IN AZURE CLOUD

INTRODUCTION TO DEVOPS ENGINEERING

- DEVOPS PRINCIPLES AND CULTURE
- ROLES & RESPONSIBILITIES OF DEVOPS
- KEY BENEFITS OF DEVOPS & WHO DEVOPS WORK WITH
- DEVOPS IN RELATION TO CLOUD PLATFORMS
- HISTORICAL CONTEXT AND THE EVOLUTION OF DEVOPS



CONFIGURING DEVOPS ENVIRONMENTS

POOL AGENTS

PARALLEL JOBS

SERVICES

CONNECTIONS

RETENTIONS

SERVICE HOOKS

TEAM
CONFIGURATION

VERSION CONTROL USING GIT REPOS



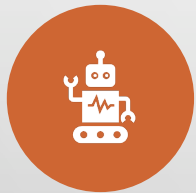
Installing and
Configuring Git
Version control



Git Operations with
Azure DevOps



Git operations with
GitHub Desktop &
Repos



Git operations with
IDE (VS Code, MS
Visual Studio)



Git operations with
Local Terminals and
CMD



REPOS

METRICS

TESTING

MERGING

CLONING

BRANCHING

CONTINUOUS INTEGRATION PROCESSES





CONTINUOUS DELIVERY AND DEPLOYMENT

- PIPELINES & JOBS
- ENVIRONMENTS
- RELEASE BUILD
- AUTOMATION
- ARTIFACTS
- WORKFLOWS
- RELEASE GATES

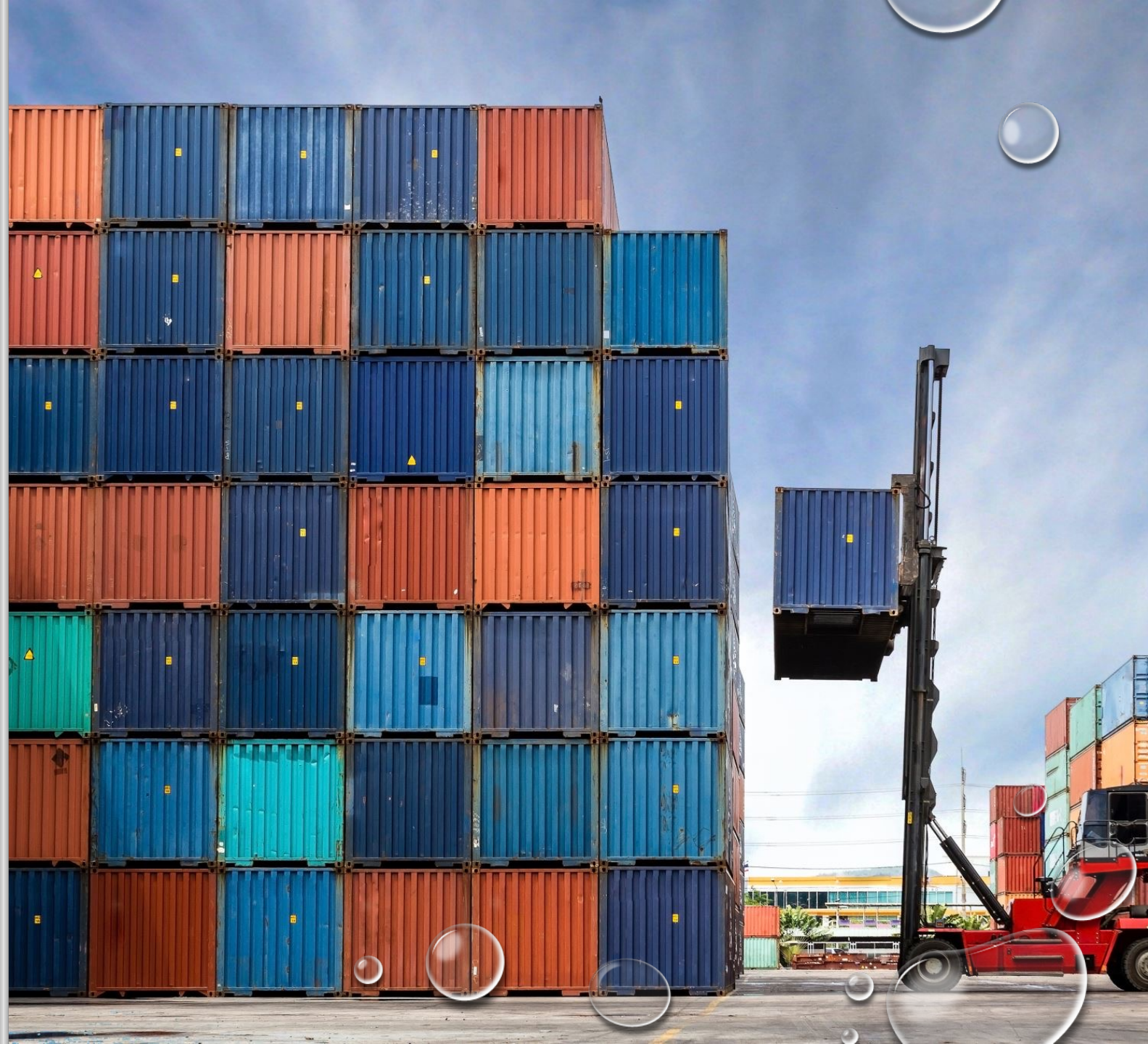
TEST AUTOMATION AND AZURE BOARDS

- TEST SUITES
- TEST PLAN
- TEST RUNS
- AZURE BOARD
- SPRINTS
- BACKLOGS



CONTAINERIZATION & ORCHESTRATION

- CONTAINERIZATION WITH DOCKER
- ORCHESTRATING CONTAINERS WITH KUBERNETES
- AZURE KUBERNETES SERVICES (AKS)
- DOCKER CONTAINERS WITH APP SERVICES
- UTILIZING AZURE CONTAINER APPS & VERSIONS





INFRASTRUCTURE AS CODE (IAC) WITH ARM

- INTRODUCTION TO INFRASTRUCTURE AS CODE
- AZURE RESOURCE MANAGER TEMPLATES
- PARAMETERS, VARIABLES AND RESOURCES
- STANDARD DEPLOYMENT WITH ARM TEMPLATE
- CUSTOM DEPLOYMENTS USING ARM TEMPLATE

CONFIGURATION MANAGEMENT & AUTOMATION

- CONFIG MANAGEMENT WITH ANSIBLE
- SERVER AUTOMATIONS WITH ANSIBLE
- AGENTLESS TASKS WITH ANSIBLE
- INSTALLING & STARTING UP NGINIX
- DOCKER CONTAINERS WITH ANSIBLE
- ANSIBLE PLAYBOOKS & ORCHESTRATING

A close-up photograph of a microscope's objective lens and stage, with a blue-tinted background and several water droplets of varying sizes scattered across the scene. The lighting is soft, creating a clean, scientific aesthetic.

DEVOPS OPERATIONS IN AZURE CLOUD

- AZURE MONITORING
- AZURE DEVTEST LAB
- AZURE DEV CENTER
- AZURE LAB SERVICES
- AZURE BLUEPRINTS
- AZURE LOAD TESTING