

## **DEVEOPS INTERNSHIP OPPORTUNITY IN JAIPUR**

A DevOps internship at 8BIT System Private Limited can be a valuable learning experience that can help you build your skills, gain hands-on experience, and make important professional connections. We at 8bit System are providing an attractive opportunity for recent graduates and freshers which will provide you with an amazing and immense experience providing real-world opportunities and projects.

### **BENEFITS OF GETTING A DEVOPS TRAINING/ INTERNSHIP AT 8BIT SYSTEM**

Are you a recent graduate or fresher looking to build your skills in the DevOps field? Look no further! An internship at 8bit System Private Limited can provide you with a valuable learning experience that will help you grow your expertise and make important professional connections.

As an intern, you will gain hands-on experience in software development, automation, and deployment, and work on real-world projects that will give you exposure to industry practices. You will collaborate with experienced professionals and learn about different DevOps tools and technologies.

The internship will also help you develop teamwork and communication skills, which are essential for succeeding in the DevOps industry. You will fine-tune your problem-solving and analytical skills, gain valuable experience, and improve your resume, increasing your chances of getting hired in the DevOps field.

Don't miss out on this amazing opportunity to jump-start your career in DevOps. Apply today and take the first step towards a bright future!

### **BASICS OF WHAT WILL YOU LEARN IN THIS INTERNSHIP**

- Software development basics

- Automation and deployment basics
- Continuous integration and delivery
- Infrastructure as code
- Containerization
- Agile, Scrum, and Lean processes
- Collaboration and communication skills
- Problem-solving skills
- DevOps tools and technologies such as Git, Jenkins, Docker, Kubernetes, Ansible, Puppet, and Chef, among others
- Cloud platforms such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP)
- Deploying and managing applications on cloud platforms

## **TRAINING/INTERNSHIP COURSE CONTENT AND CURRICULUM**

### **1. Introduction to DevOps:**

- Overview of DevOps principles, emphasizing collaboration, automation, and continuous improvement.

### **2. Version Control System (VCS):**

- In-depth exploration of version control concepts and practical usage of Git for source code management.

### **3. Continuous Integration (CI):**

- Understanding CI workflows and hands-on experience with CI tools like Jenkins for automated builds and testing.

#### **4. Continuous Deployment and Delivery (CD):**

- Implementing CD practices to automate and streamline the deployment process for software delivery.

#### **5. Infrastructure as Code (IaC):**

- Introduction to IaC principles and hands-on experience using tools like Terraform and Ansible.

#### **6. Containerization:**

- Exploring containerization with Docker, including container creation, management, and deployment.

#### **7. Container Orchestration:**

- In-depth study of container orchestration using Kubernetes for efficient deployment, scaling, and management of containerized applications.

#### **8. Scripting and Automation:**

- Developing scripting skills in languages such as Python or Shell for automation of routine tasks.

#### **9. Configuration Management:**

- Understanding configuration management concepts and hands-on experience with tools like Puppet or Chef.

#### **10. Monitoring and Logging:**

- Implementing monitoring solutions (e.g., Prometheus, Grafana) and understanding logging practices for effective troubleshooting.

### **11. Cloud Computing:**

- Basics of cloud services with a focus on a specific provider (e.g., AWS, Azure, Google Cloud) and hands-on exercises.

### **12. Security in DevOps:**

- Integrating security practices into the DevOps pipeline, covering vulnerability scanning and secure coding principles.

### **13. Collaboration and Communication:**

- Enhancing collaboration skills and effective communication within DevOps teams.

### **14. DevOps Tools Ecosystem:**

- Overview of various DevOps tools, their purposes, and considerations for toolchain integration.

### **15. Case Studies and Real-world Projects:**

- Applying learned skills to real-world scenarios through case studies and projects, fostering practical experience.

### **16. Soft Skills and Team Dynamics:**

- Developing soft skills such as problem-solving, adaptability, and teamwork crucial for successful DevOps implementation.

### **17. Continuous Learning:**

- Encouraging a mindset of continuous learning to stay updated on emerging technologies and industry best practices.

## **Assessment and Certification**

### **23.Assignments**

Regular assignments and assessments

### **24.Certification:**

Issuance of a certificate upon successful completion

## **SKILLS YOU WILL LEARN THROUGHOUT THIS INTERNSHIP PROGRAM**

- Software development basics
- Automation and deployment basics
- Continuous integration and delivery
- Infrastructure as code
- Containerization
- Agile, Scrum, and Lean processes
- Collaboration and communication skills
- Problem-solving skills
- Knowledge of DevOps tools and technologies such as Git, Jenkins, Docker, Kubernetes, Ansible, Puppet, and Chef, among others
- Understanding of cloud platforms such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP)
- Ability to deploy and manage applications on cloud platforms.

**APPLY NOW BY SENDING YOUR RESUME AT [hr@8bit.co.in](mailto:hr@8bit.co.in)**