# BHARAT KUMAR KALLEY

**Mobile**: **+91-9666882817**

**E-mail**: bharatkumar.kalley@outlook.com

**Total work Experience**:

* 3 years of combined experience as a Software Developer and DevOps Engineer.

**Qualification**:

* **B.Tech** With 74.57% of Marks

Graduation year: 2013.

**Current Project**: Waters-SciexOS Support Layer.

**Technical Skills**:

* **Operating systems:** Red hat Linux, Windows.
* **Web/App Servers:** Apache, Tomcat
* **Bug Tracking Tools**: Jira
* **Cloud & Configuration Tools**: AWS, Chef, Ansible.
* **Programming Language:**  .NET C#
* **Scripting Languages:** Shell.
* **Monitoring Tools**: Nagios, ELK
* **Containerization Tool:** Docker, Kubernetes
* **SCM Tools:** SVN, Git, Bitbucket
* **Build & CI Tools:** MS-Build, Jenkins

**Personal Details:**

**D.O.B:** 04/08/1991

**Languages Known:** English, Telugu, Hindi.

**Hobbies:** Listening Music

# DevOps Engineer

**CAREER OBJECTIVE**

Aim to achieve professional excellence in my career with a leading corporate, committed and dedicated people, which will help me to realize my potential to work as a key player in a challenging and creative environment.

**EXPERIENCE SUMMARY**

**3 Years** of combined experience in **C, C++, VC++, C#, DevOps Environment, Docker, Amazon Web Services (AWS) and Linux as** **DevOps Engineer.**

* Implemented **DevOps** practices in an **Agile Scrum Environment.**
* Experience in implementing **CI-CD using tools like Jenkins.**
* Good knowledge of **Groovy scripting** to implement pipeline-based **Jenkins jobs.**
* **Setup master slave architecture** for Jenkins distributed job builds.
* Well versed in **Scripted Pipeline**, Declarative Pipeline and Multi Branch Pipeline.
* Created **docker** compose file to setup dev and testing environments using containers
* Strong knowledge in creating customized docker images using docker file.
* Ability to manage SCM processes which include compiling, packaging, deploying and application configurations.
* Extensive experience in using **Version control systems** includes Subversion (SVN) & GIT.
* Good knowledge on build tools like **MS-Build, Maven** etc.,
* Good Understanding of agile development methodology and branching strategies required for agile projects.
* Maintaining and **automating** the continuous flow from **development to deployment.**
* Created an automation project for smoke testing the entire application using Spec-flow with VM Ware tools**.**
* Created **Wix** **Installer** for the project for the project to deploy the binaries into the specific directory.

**ACADEMIC PROFILE**

* **B. TECH(EEE):** From **JB Institute of Engineering and Technology (JNTUH), Hyderabad** with **74.57%** of marks in 2013.
* **Inter (MPC):** From **Narayana Junior College, Hyderabad** of Higher Secondary Education with **87.90%** of marks in 2009.
* **SSC (10th Standard):** From **SFS High School, Khammam** of Secondary Education, with **88.50%** of marks in 2007.

**EMPLOYMENT SUMMARY**

* **Evenion Technologies Pvt Ltd**, Bangalore Software Engineer, February**-**2019 to August-2019.
* **MPhasis Ltd, Bangalore-** Software Engineer, August-2019 to till date.

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| Project Details | |
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| **Project 2** | **Waters SciexOS support Layer** |
| **Client** | **Waters Corporation, Milford, USA.** |
| **Duration** | **Feb 2020 – Till date** |
| **Team Size** | **9** |
| **Environment** | **Bit Bucket, Jenkins, Maven, Docker, Kubernetes chef, Shell Scripting, Artifactory, Jira, C#, Visual Studio 2017 with .Net Framework 4.7.2** |

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| Project Description |
| * **SciexOS** is a third party **CDS** for which we have to make Waters LC Instrument drivers available for the same. * To achieve this, we developed a **ShimLayer** which will be working as a transport layer between Waters Instruments drivers and **SciexOS** application. * **ShimLayer** is developed based on the interfaces which are specifically developed for third party applications which was named as ICS Drivers. |

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| Roles and Responsibilities |
| * Software Configuration management (Build and continuous Integration using **MSBuild, Jenkins & Git**). * Supporting Developers in Build, Delivering activities**, Branch**, **Tag’s creation**. * Performing **Pre-Build activities** & **Post Build** activities by coordinating with development teams. * Managing the **Artifactory** management tool. * Create and establish build process using **Git** to perform builds efficiently and deployment of the application into **VSphere (VMWare Tools)**. * Creating **Cookbooks,** Module for **Automating Configuration** setups. * Working on **Docker** container **snapshots**, attaching to a **running container**, **removing images**, managing Directory structures and managing containers. * For running **traceability matrix** in the pipeline, I created **docker-compose-tracetool** **YML** file where I used **Docker** to pull the images from **Waters tu-server** where all the pre-defined images are created and stored in tu-servers. I used the services like **OrientDB**, **tracetool** and **doctool** which are developed by Waters team. These tools basically pack all the feature files and deploy it to the VM and runs the **traceability matrix** according to the feature files which are written using Gherkin scripts by the QA team**.** * Configure and **automate Continuous Delivery** pipelines for software delivery teams utilizing the **supported CI/CD**. * Communicating and working with development and test teams to resolve build related issues in a **high priority manner.** * Work with **Dev** and **QA** teams closely to make sure builds available all the time. * Develop and execute details release plan team. * Wrote Shell Scripts to perform deployment **of C# dlls and exe files** & automating manual tasks. * Created Automation project for performing smoke test on entire application using Gherkin scripts with C# as Programming language by using specflow 2.3.1 and Test Stack white framework. |

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| Project Details | |
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| **Project 1** | **OPEN LYNX ENHANCEMENTS** (Mass Lynx SCN987/3767). |
| **Client** | **Waters Corporation, Milford, USA.** |
| **Duration** | **February-2019 - February-2020** |
| **Team Size** | **9** |
| **Environment** | **Bit Bucket, Jenkins, Maven, Docker, Kubernetes chef, Shell Scripting, Artifactory, Jira, C#, Visual Studio 2017 with .Net Framework 4.7.2** |

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| Project Description |
| Openlynx is an application manager, which is a part of MassLynx software package, basically used to submit batches from client to MassLynx. It includes new features wakeup, rotate valve switch and count down time and 3767 Autosampler support. Wakeup allows user to run LC method when MassLynx is idle, so that the Instruments will be conditioned before next acquisition. Rotate valve feature is a new enhancement where in the run events in the Inlet event table is run during switch method execution. Count down time implementation ensures the batches are processed based on waiting time.   3767 Autosampler is the replacement for earlier 2767. The 3767 Autosampler communicates with Ethernet rather than serial port. The key feature of 3767 is that we can pause acquisitions, which was not available in 2767. |

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| Roles and Responsibilities |
| * Software Configuration management (Build and continuous Integration using **MSBuild, Jenkins & Git**). * Supporting Developers in Build, Delivering activities**, Branch**, **Tag’s creation**. * Performing **Pre-Build activities** & **Post Build** activities by coordinating with development teams. * Managing the **Artifactory** management tool. * Create and establish build process using **Git** to perform builds efficiently and deployment of the application into **VSphere (VMWare Tools)**. * Working on **Docker** container **snapshots**, attaching to a **running container**, **removing images**, managing Directory structures and managing containers. * Configure and **automate Continuous Delivery** pipelines for software delivery teams utilizing the **supported CI/CD**. * Communicating and working with development and test teams to resolve build related issues in a **high priority manner.** * Work with **Dev** and **QA** teams closely to make sure builds available all the time. * Develop and execute details release plan team. |

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| Achievements/Awards |
| * Received **monthly summit awards** 2 times one is in the month of **April 2020** and other is in the month of **March 2021**. * Received a **letter of appreciation** in the month of **August 2020** from the Senior Manager for interacting with third party client and getting the issue resolved on time. |

**DECLARATION:**

I consider myself familiar with Information Technology aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

**Date: 15/11/2021**

**Place: Bangalore**  **K BHARAT KUMAR**