1435 Bedford St, Stamford, CT 06905 | 321-312-9967 | jigarOcp@gmail.com | [Linkedin](https://www.linkedin.com/in/jigarrathod)

**DevOps Engineer**

**Summary**

An enthusiast DevOps engineer with over 3 years of experience in Continuous Integration, automation, maintaining tools, creating proof of concepts, and writing projects in python & java. I have also passed certifications such as Kubernetes Certified Application Developer, AWS Certified Solutions Architect & Oracle Certified Java Developer. I am a quick learner, highly motivated & focused person.

**Skills**

* Kubernetes
* Jenkins
* Git & Gerrit
* Ansible
* Java/Python
* Kafka Confluent
* OpenStack, AWS
* Oracle/Elasticsearch
* Linux
* Docker
* RESTful API
* Apache Ant/Maven

**Education**

* **Certified Kubernetes Application Developer**
* **AWS Certified Solution Architect**
* **Thesis** *The effects of virtualization in Database benchmarking*
* **Florida Institute of Technology, FL**

Sep 2021

Aug 2017

May 2017

Aug 2015-May 2017

*Master of Computer Science*

GPA 3.75/4.0

* **LDRP ITR, Gandhinagar, India**

May 2009-May 2013

*Bachelor of Computer Engineering*

CGPA 7.26/10

* **Oracle Certified Java Programmer**

Dec 2013

**Work Experience**

**Interactive Brokers**

DevOps Engineer

Since Nov 2017

* Managed 4000+ git repositories using Gerrit and permissions
* Setup multi-node Kafka cluster and defined a strong Disaster Recovery plan
* Maintain & upgrade Jenkins, Kafka, Gerrit (reduced upgrade time from several weeks to a day by setting up test environment)
* Integrate WhiteSource Security management tool with Jenkins
* Wrote Ansible roles to setup ELK clusters
* Increased availability of Gerrit by setting up Disaster Recovery
* Added features to the in-house tool which interfaces with Gerrit, Jenkins, and Git
* Wrote groovy scripts and python scripts to update Jenkins jobs in bulk
* Created documents to onboard users with Ansible/Kafka/Gerrit

**Novatio Technologies**

RPA Developer

Aug 2017 – Nov 2017

* Setup RPA training environment on AWS
* Reduced the cost of AWS environment by 40% by adapting Centralized RDS and converting AWS workspaces to small VM
* Wrote RPA automation to automate bill payment and transferring data from Oracle E-business suite to Salesforce

**Harris Institute for Assured Information**

Research Assistant

Feb 2016 – May 2017

* Wrote Ansible script to implement PXE services on remote machines to install ubuntu 14.
* Integrated Sensu with VINE to monitor virtual machines.
* Used Git to maintain Ansible Roles and to commit the development requirements.
* Created automated process to perform code analysis using Jenkins and shell scripts.
* Utilized OpenStack Neutron API to create and manage a virtual network for Virtual Infrastructure Network Emulator (VINE) product.
* Defined hierarchical user-data namely VINE specific, testbed specific, and Virtual Machine (VM) specific usage for the Virtual Machine.
* Created service network per testbed to increase the manageability of VMs.
* Implemented import/export functionality to create an identical environment across different VINE instances.
* Migrated the codebase from OpenStack 2.0.4 to OpenStack 3.0.
* Published thesis on “[The Effects of Virtualization on Database Benchmarking](https://hiai.fit.edu/blog/aghli-mammadov-rathod-defend-masters-theses/)”.

**Elitecore Technologies Pvt Ltd, India**

Junior Software Engineer

Aug 2013 – Aug 2015

* Implemented Direct Debit payment feature using various technologies such as EJB, JPA, and ZK.
* Wrote tables, queries, procedures, schedulers, and triggers to transfer data from the production database to Operational Data Store.
* Created business reports such as daily/monthly/yearly payment reports, mode-wise payment reports.
* Reduced the task of managing the server by writing shell scripts to perform various tasks such as fetching the latest code, compiling the code, and deploying deliverables on the server and integrated them with Jenkins.
* Automated the process of generating flush scripts to remove the test data from the database.
* Identified the areas of improvement by performing load testing using Apache JMeter.
* Integrated JRebel with the codebase and performed live deployment on the JBoss server which reduces the compilation and deployment time by 20%.
* Used JIRA to test and track the Issues and Bugs and for the Project Management.

**Elitecore Technologies Pvt Ltd, India**

Software Engineering Intern

Feb 2013 – Aug 2013

* Integrated code analysis tools such as FindBugs and Sonar.
* Utilized delegate and singleton design patterns to develop code.
* Migrated code from JDBC to JPA and designed GUI in ZK OSS.
* Wrote Ant build scripts to compile the java code, deploy the application on the JBoss server, and perform code analysis.
* Used JBoss application server to test and deploy the application.
* Managed the database and server to identify and resolve inter-module problems.

**Co-curricular Activities**

Active **https://medium.com/@jigarrathodocp**

Sample projects on <https://github.com/JigarProjects>

Diagram

Description automatically generated

Graphical user interface, application

Description automatically generated

