

# Rohit Tamra

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## CAREER OBJECTIVE:

Seeking a position to utilize and enhance my skills and abilities in DevOps Engineer / Site-reliability Engineer/ Front-end designer domain for the growth of the organization and to grow up as an individual in a fast-growing and challenging environment.

## EDUCATIONAL QUALIFICATIONS:

**Indian Institute of Technology, Madras, Chennai** **2021-Present**

- Advanced Certification in Blockchain, Cloud and IoT

**Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur (RTU, Kota)** **2014-2018**

- B.Tech. in Computer Science & Engineering with an aggregate of 82.0% (Honors Degree)

**Maheshwari Public School, Ajmer (CBSE)** **2013- 2014**

- Completed higher secondary examination with an aggregate of 78.0%

**Maheshwari Public School, Ajmer (CBSE)** **2011-2012**

- Completed senior secondary education with CGPA of 8.8

## TECHNICAL SKILLS/SUMMER TRAINING:

- DevOps -Docker, Jenkins, GitHub, Nexus, Subversion
- Web full stack developer - Html, CSS, JavaScript, PHP
- Scripting - Shell /Bash Scripting
- Flask Rest Plus Python
- Framework -Ionic 5 with Angular 7
- Programming skills – Basics of C, C++, Core Java
- OS: - Linux
- Ansible Framework
- Cloud :- AWS, Azure

## PROFESSIONAL EXPERIENCE

**Company: Infosys Ltd. (Zurich - on--site)**

**Duration: July, 2021 to till date**

**Current Role: Technology Analyst**

### Project Overview:

**Wealth Management Banking System: October, 2021– Till Date**

*Role: DevOps Engineer*

*Company: Infosys*

*Tools & Technology: Linux and DevOps Engineer*

### Project Summary:

This project is aimed for packaging which is now making the softwares moved to a process know as CI/CD through various tools(Docker, Kubernetes , Gitlab, Ansible). Which will help to achieve people from all over the bank to make things work in an automated process.

**Company: Infosys Ltd.**

**Duration: May, 2018 to June, 2021**

**Current Role: Senior Systems Engineer**

**Project Overview:**

**Wealth Management Banking System: October, 2018– September, 2021**

*Role: Senior Systems Engineer*

*Company: Infosys*

*Tools & Technology: Linux and DevOps Engineer*

**Project Summary:**

This project is aimed for packaging which is a process of integrating the software and configuration files that can be easily deployed and maintained. UNIX Packaging serves the client in creating the packages for their applications that are deployed across the environment. Task involves creating SYSTEM V packages, RPM packages. Tool VERIMON is developed and maintained by UNIX packaging which verifies the packages, developed by developers globally, to comply with the standards. Creation of PGP signatures for users which are then integrated with the application packages.

**Roles and Responsibilities**

- Involved in the requirements analysis and come up with design plan and architecture.
- Provided Technical expertise, troubleshooting and assistance for customer concerns
- Responsible for enhancing and maintaining verification tool which is used for verifying globally
- Handling the offshore project related activities, feasibility, fixing and testing of defects raised by client.
- Developed complex logics and provided out of box ideas.
- Created a framework for RPM packaging and verification, first of its kind in the organization together with RPM packaging guideline which is used within the organization.
- Created automated quality check process (used to verify the consistency of each RPM as per Industrial Standards), packages (Solaris and RPM) for client applications and PGP signature for users used in the packaging.
- Migrating the packages to CI/CD process in GitHub, Gitlab and Jenkins.
- Developing, Maintaining and Deploying packages, Flask API using Python and tools which are running for Verification services and released in format docker images/containers.
- Helped and mentored team members to solve complex logics and deliver the requirement on time.
- Prepared all the Design documents & Status reports as a part of project deliverables.
- Bagged Early Career Reward and Infosys Insta (Instant Reward) Award for Hard work and Dedication

**Infosys Training: May, 2018– October, 2018**

*Role: Systems Engineer Trainee*

*Company: Infosys*

*Tools & Technology: Python, DBMS(Oracle), Networking and Linux*

- Learnt and practiced concepts of Python, DBMS, and integration between Python & DBMS.
- Selected in CIS-Run
- Learnt Concept of Networking, had hands on experience on Linux
- Was Top Performer in Overall Training.

**PUBLICATIONS:**

- IoT Devices & Networking - This project mimics a simple smart home setup using MQTT as a mode of communication. The idea is to enable/register the devices in different rooms and then provide a control mechanism for the user to perform different operations on those devices.
  - Paho mqtt: Learner will learn how to use mqtt client in real-time scenario and how they can write wrapper function over what is already available Design: One of the key aspect of this project is to make sure that learners understand the need to create an efficient topic structure to handle the

messages MQTT is a pub-sub model hence, using this extensively will give learners an idea about this type of communication. Apart from above learner will also use python to perform data handling on the received messages From a design perspective, learners will understand the need of a server as an interface to pass on the communication from user to the device.

- Distributed Systems - This project mimics a simple distributed data store that uses a consistent hashing scheme to map key-value data to specific database nodes. It uses the technique of virtual nodes to implement consistent hashing in a master less data fetch setup. The project involves computing a per-node virtual node mapping, inserting and fetching key-value data, and addition & removal of nodes.
  - Understanding of how a masterless distributed Database would work, with respect to: Data insertion Data fetch Dynamic batch-updates of Python data structures, mainly dictionaries A good understanding of intermediate Python language features, such as: The random module utilities The math module utilities
- Software & Database Design- The weather data system supports storage of temperature and humidity values from various devices, in a MongoDB database. It also has a device registry, and supports categories of users. The aim is to read device and user configuration information from config files, and populate the database with access control information, along with the actual data. The learner also needs to aggregate data periodically, and display reports based on query criteria.
  - Ability to organize information from formatted text (CSV) files, and populate MongoDB collections with such structured information. Ability to query MongoDB collections based on user authorization Concept of a Model layer over a DB collection Ability to aggregate data periodically, and generate daily reports (with display) based on date ranges Range queries Working with Date data type

#### OTHER PROJECTS:

- Freelancer for Canadian Application front ending in Ionic – Angular framework
  - All services under one umbrella
- OCR android application
  - Innovative idea to help people and saves a lot of time from typing all the contacts regardless of any error.
- Text to voice recognition and voice to text recognition application.
  - This application uses Voice Recognition API to convert the text into voice and vice versa to help blind people to use smart phones as well.
- Offline Facebook and offline shopping cart
  - These are basically java to database connectivity projects and many more features.
- Android application Dynamic data management of YouTube videos according to category.

#### MINOR PROJECT IN COLLEGE-

Prepared consultancy application for a client. Our Aim was to develop a shopping cart application on Android studio and Firebase which helps client to expand that business.

#### MAJOR PROJECT IN COLLEGE-

Garbage Dumpster/Scrap Collector. This application facilitates door to door garbage collection service

#### Training | Internship:

**Training at Infosys and IBM collaboration with Swami Keshvanand Institute of May -July 2017 Technology, Management and Gramothan, Jaipur**

- Completed 60 days of summer training in “Java Enterprises “
- Project – OLTP (On-Line Transaction Processing) is an API development framework for educational in state in compliance of IEEE LTSA (Learning Technology Solution Architecture)

## Training at ISRO, Jodhpur May-July 2017

- o Completed 30 days of summer training in “Web Responsive portal” with help of HTML, CSS, JSP.
- o Project- To create a web responsive portal for searching songs been shot at a particular location or city and help the tourists visit those places.

## ACHIEVEMENT AWARDS:

- Merit certificate in 5<sup>th</sup> Semester for academics - 3<sup>rd</sup> position in RTU
- Merit certificate in 7<sup>th</sup> Semester for academics - 2<sup>nd</sup> position in RTU
- Merit certificate in 8<sup>th</sup> Semester for academics - 3<sup>rd</sup> position in RTU
- Appreciation from UBS client.
- Active member of **Toastmasters** club.
- 2014-17 Participated in all the technical events held in college for first year.
- 2017 Coordinated event “**Code Marathon**” which is an event of C and Java questions in our annual fest “Pravah”.
- 2016 Certified 95% in Perl exam Conducted by IIT, Bombay in college.
- 2015 Certified in Java exam Conducted by IIT, Bombay in college.
- 2012 Best presentation award on latest gadgets and technology.
- Got promoted thrice in Job (system engineer, senior system engineer, technology analyst)

## HOBBIES AND INTERESTS:

- Passionate about Gaming on PC (mostly open city and First-Person Interface).
- Quick learner, responsible, good listener, goal oriented, honest.
- Good decision-making skills and like to explore my knowledge with my colleagues.
- Possess positive attitude towards difficulties.
- Possess leadership and managerial skills.

## WANT TO KNOW ME/MY WORK:

- Liknedin: <https://www.linkedin.com/in/rohit-tamra-87882b121/>
- Website: <https://rohittamra.herokuapp.com/>
- Github: <https://github.com/rohittamra/>