

# Rupesh Kshirsagar

## python developer with DevOps and Machine Learning experiance

Liverpool L3 6ES

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1. Good experience in Python
2. Command on Data Structures and Algorithms
3. Full stack developer with DevOps
4. Rest API devloper
5. React JS

Willing to relocate: Anywhere

## Work Experience

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### Python and Shell Script developer Backend Automation

Capgemini

January 2018 to July 2021

- Client Connectivity Services

1. We are developing framework in Python(Test Plan) Framework to test engine to validate trade.
2. We have used Object Oriented Python, decorator and many other modules.
3. Creating CI jobs using Jenkins.
4. Created Log Replay tool for vCOM using python which will replay all trade from production environment in QA environment .
5. Created Shell script to download production environment log and create JSON file using logs
6. Created Log Replay tool for CG using shell script which will download production log and FIXShell fix message , validate with QA vs Prod request and
7. response
8. Automated Database updating process for Production Client using Shell Script
9. Understand the requirements
10. Participate in Code review
11. Interacting with Dev team/Manual Team.
12. Logging defects in JIRA

### Python Developer

GPSCT Automation

September 2016 to June 2018

- # GPSCT is application which interact with external connection.
- # Our Teams main responsibility is to automate and validate RESTAPI.
- # We have developed framework to do RFB(Ready for business Check) and build – deployment.
- # Update ALM testcases using REST API
- # Framework in written in Python Entirely with 2.7 version and now we are upgrading to latest Python version i.e. 3.x version.
- # We have used Object Oriented Python, Packages, Modules, Multi-threading , XML, JSON, Sybase Database connectivity module and many other

modules.

## **Python Developer**

VCaaS (Persistence)

October 2015 to July 2016

- # Its developed using Open Stack which is open source cloud computing infrastructure for IBM
- # Used to provide authorization for IBM identity service provider.
- # Integrated shibboleth as IBM identity service provider which return SAML token to Keystone in OpenStack .
- # Responsibilities included understanding of JIRA's, developing new modules, Review of code.

## **Senior Full Stack Developer**

wikireviews (Leo Tech)

July 2014 to September 2015

- # Wiki Reviews is single page application where user can give there reviews and on that basis he can vote , rate and if he saw any disputed review he can flag and it goes to Admin notice Board Where Admin can take action. Under this projects, Rating and Voting modules mainly handle with admin notice board
- I. Rating: By using this module we can rate any object of the application such as user, image, and video. This module is as python-django plug-in where we integrate it as per our requirement. Also we can give point rating
- II. Voting: User can vote for object. This voting for limited time. After time we use algorithm to calculate the result.
- III. Admin Notice Board: On this notice Board Admin can see, flag content. This notice Board is used by Community Admin as CURD (Create, Update, Read and Delete).
- IV. Wiki Admin: Admin user who can control all over web content. He can delete or modify any content of website.
- # Rating , Voting and Wiki Admin module developed and integrated using Django REST API and Angulare JS
- # Responsibilities included understanding of JIRA's, developing new modules, Review of code.

## **Full Stack Developer**

FrameDesk (Pragmatic)

March 2012 to July 2014

- # FrameDesk (Django) Admin:
- I. Frame Desk is Django application which contains different applications integration in one frame. By login Django application user can use different application. In this LDAP is used for authentication and authorization. For this used SSO.
- II. By using this Admin part we able to create user and group as well as we can give them access. as E-Store, E-Store + ERP, E-Store+ERP+CRM, Open ERP database was configured.
- # Chef Solo:
- I. Chef is an open-source systems integration framework built specifically for automating. By using this , install OpenERP and other services such as Apache server or nginx. For this Ruby was used.

## **Sales CRM**

Trimax (Pragmatic)

September 2011 to February 2012

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This project was Customer Relation Management in which multi level hierarchy managed and having different access right with user. There are Horizontal and Vertical user and with respect to them I have to give access right.

# This project is in maintenance and enhancement project.

# Project is developed in Open ERP 6.

# My role involved fixing the bugs and doing coding task for enhancements

## **Accelerator dev-ops (Capgemini Internal Project)**

Capgemini Internal contribution(2020)

# We are developing one click solution for user which will provide users development environment and deployment using cloud cluster

# We have Python, AWS virtual machines , Jenkins, Docker and kubernetes.

# Python will prepare development environment for user which will include list of software's.

# We are setting dev-ops experience for user using git, Jenkins, Docker and kubernetes.

# My role in the project was to setup Jenkins CI/CD jobs, and build project and create Docker image

# We are creating image of development environment using Docker.

## **SWEP 2020(Student Learning Program)**

# We have developed cognitive services using AWS and Azure.

# My role was create UI which integrate API to convert actual voice to text using AWS transcribe service.

# Integration AWS API gateway with GUI.

# Use of S3 bucket to stored audio recorder by user.

# Trained students on above project.

## **Data Scientist**

Capgemini Internal contribution(2018)

Testcase Prioritization (POC for Morgan Stanley account)

# We Used Random Forest Algorithm to create model

# Predict priority of test cases so that we can run these testcases first and check for given release cycle

# Used HP ALM Rest API to get and update Test Case Prioritization

Testcase De-duplication (POC for Morgan Stanley account)

# Created Machine Learning model which will predict similar test cases

# Used cosine similarity.

## **Education**

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### **Master's in Computer Science**

Solapur University - Solapur, Maharashtra

June 2008 to June 2011

## **Skills**

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- 10 years of experience in software industry on # Working as system integration engineer for Volkswagen financial services. Product development, DevOps, Automation, # Worked as Python

developer for Client Connectivity Services project in Publications shell scripting, AWS , Azure, Private Cloud and Morgan Stanley. Client Connectivity Services is an low latency engine for trade. # Two Research Paper presented in # Created Machine Learning POC to define test case prioritization for sprint International Conference at Python Developer for Automation project. using Random Forest Algorithm . Singhagad Institute of Management Hands on experienced in Python / Django / # Created Machine Learning POC to find duplicate test cases using COSIN Pune.(Aug 2010) Restful API and Machine Learning relations # HTML 5.0 # Worked on Reference data project as Automation resource. Worked # Greenstone digital Worked as Full Stack developer with Good extensively on Python and REST API. library knowledge Open-source Framework developed # Worked on Django REST API framework , created API and consumed using in Python. Worked on Talend ETL tool. # Worked as Full Stack developer in Web Application , which includes Front Education end in AngularJS and backend processing in Python. # Master of Computer Application - # Worked on AWS dev-ops project which includes Jenkins, kubernetes, Docker and AWS cloud. Computer Science # worked on Serveless application and Cognitive services on AWS. worked # Bachelor Of Science

- Physics on AWS lamda,S3 buckets, API gateways and Amplify framework. # Good knowledge on Azure basic concepts, hands on function app, web app, Blob, cognitive services. # Strong in OOPS and networking. rcksolapur@gmail.com|
- CSS
- Javascript
- MYSQL
- Git
- Python
- Azure
- Django
- AWS
- HTML 5

## Languages

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- English - Fluent

## Links

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<https://github.com/rcksolapur>

## Certifications and Licenses

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**# Pycharm, Eclipse, Visual Studio Code Python Developer # SCJP 1.7**