

ABHILASH RAJ

+91-8210097962 abhilash.raj.me@gmail.com linkedin.com/in/abhilashraj15 DOB: 15 April 1995

Education

Biju Patnaik University of Technology

Bachelor of Technology in Applied Electronics and Instrumentation; CGPA : 8.35

Aug. 2012 – May 2016

Bhubaneswar, Odisha

Independent Coursework

- Python Foundation
- Python and Flask BootCamp
- Android Basics by Google
- Introduction to R

Technical Skills

Languages: Python, Unix Shell Script, C, C++, SQL, HTML/CSS

Developer Tools: Spyder, Jupyter, Anaconda, PyCharm, JupyterLab, Android Studio

Technologies/Frameworks: Linux, GitHub, Google APIs, SendGrid, Bitbucket, MongoDB, Pandas, Flask, PyMongo, AWS, Pysftp, BOTO3, mail-merge, ElasticSearch, Microsoft SQL, MySQL, Oracle DB, PostgreSQL, BeautifulSoup, JIRA, GIT Bash, GoldenSource tools, Putty, BMC Remedy.

Experience

Cigres Technologies Pvt Limited (Payroll)

Senior Software Engineer

August 2023 – Present

Bengaluru, Karnataka

- Developed automated report generation for IHS servers health check.
- Learned and created Jenkins pipelines for automated deployment.
- Maintaining and creating various Housekeeping scripts for application servers.

NetValue Limited

Senior Software Engineer

November 2022 – April 2023

Hamilton, New Zealand

- Added features in existing software application for bio informatics.
- Created notebooks to analyse big data and test accuracy and precision of developed software application against a source of Truth.
- Learned R to work on new project that uses classifier for classifying cancer.
- Created Python scripts as utility to easily create profiles from 200+ samples.
- Experimented and analysed 100s of samples to test normalization method for classifier.

Toku Pte Limited

Senior Python Developer

September 2021 – November 2022

Remote

- Implemented multi-processing and multi-threading on SMS application to increase the throughput from 10tps to 30tps.
- Automated Data warehousing for various in-house applications.
- Automated report generation for Client's Campaign runs.
- Performed Migration of application from Windows 10 VM to Linux servers.
- Developed SMS campaign application for new Client demo and daily run in a week.
- Automated BI report scripts to generate and update the report on G-suite of client.

Wipro Technologies

Project Engineer

March 2017 – August 2021

Bengaluru, Karnataka

- Provided L1 and L2 Support for Linux based Client's Application.
- Developed Unix Shell Scripting for Zero Touch Automation for Service and Change Requests.
- Developed scripts using Python and Pandas to automate Monthly and Quarterly Financial Reports.
- Developed Unix Shell scripts to automate Linux servers maintenance jobs to reduce time taken from 2 hours to 4-5 minutes.
- Developed scripts using Python, Exchangelib, Pandas, PDF readers to automate daily influx of 300-400 Invoices processing and GST report generation.
- Incorporated scripts using Python to standardize Machine Learning Model models' output for data extraction and validation, alleviating the time from 4-6 hours to 10 minutes.

Projects

Automated Campaign Reports | *Python, Pandas, SQL*

- Developed script using Python, Pandas, SQL, SendGrid to automate Campaign report generation and sharing with client.

BI Reports Automation | *Python, Pandas, SQL, Google APIs*

- Automated BI Report generation using Python, Pandas and SQL and sharing of the same using Google API integration to update google sheets shared with client.

SMS Campaign Application | *Python, Pandas, SQL*

- Developed SMS Campaign Application for new client to send SMSs via in-house SMS platform using Python, Pandas and SQL. Implemented various checks in the Campaign such as Incorrect, Unsubscribed and Duplicate Numbers.

Increased throughput of existing application | *Python, Multi-processing, Multi-threading*

- Implemented multi-processing and multi-threading on existing python application running sequentially previously. This increased the throughput from 10 to 30 tps. Made it dynamic, so altering number of threads and processes in the configuration will increase and decrease the throughput as per the requirement.

Automated Financial Reports | *Python, Pandas*

- Developed BOTs using Python and Pandas to automate various Financial report creation like provisioning, cash flow, etc for the finance team, handling 85000-100000 rows of data.

GST Report Generation Automation | *Python, Pandas, Flask*

- Developed BOT using Python, Pandas, Exchangelib and PDF Readers to process the daily influx of e-mails having Invoices (300-400) in PDF format from various airlines.
- Created website for manual trigger and also process compressed files consisting approximately 500 invoices using Python and Flask by BOT.

Automated script to grant, revoke application log file | *Unix Shell Script*

- Developed script using Unix Shell Scripting to automate manual process of granting and revoking application's logs file access, reducing processing of Service Request to 2-3 minutes.

Server Housekeeping Script and Upgrades | *Unix Shell Script*

- Upgraded new LINUX server setup script with auto-validation of each step completion and state check of each step, eliminating manual checks.
- Upgraded and developed various automation scripts (application health check, permission and ownership synchronization, etc) for maintenance of LINUX servers, to reduce efforts and time spent on manual process.

Independent / Freelancing Projects

Independent Project

Developed REST API using Python, Flask, Pymongo, MongoDB, Boto3 and AWS S3 Bucket for Overster E-Commerce App.

Freelancing Projects

Incorporated shell script to create backup of month old data and mitigating time spent to 10 minutes.

Data Warehousing and Data Merging using Python, Pandas and FuzzyLogic, handling 10000-85000 Data.

Revenue Collection Report and Waterfall model creation for Insurance Organization using Python and Pandas.

Automated Daily data update from SFTP to DB and AWS S3 bucket using Python, Pandas, Redis, BOTO3 and Shell Script

Storage Infrastructure reports generation like IBM SVC and Flash A9000 and EMC VMAX using Python, ElasticSearch and SDKs.