

Yogaraj Sivaprakasam

Full Stack/Python Developer

Talented, ambitious and hardworking individual, with broad skills and experience in developing complex application. Looking for an opportunity where I can use my skill to achieve organizational as well as personal goals.

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WORK EXPERIENCE

Member Technical Staff

Zoho Corporation

06/2017 - Present

Chennai

Achievements/Tasks

- Responsible for Python application which collects data from machines which drives the cloud environment of Zoho.
- Rewritten the python application to establish a solid data-driven logic with maintainability.
- Increased the efficiency of python application by 40%.
- Migrated the python application codebase from python2 to python3.
- Migrated front-end views from jQuery to Vue.js framework.
- Modelled and Scaled MySQL to handle large amount of data efficiently.
- Co-ordinate with teams to understand their application use case and incorporate them in the python monitoring application.
- Understand and analyze Linux kernel for better and efficient monitoring of the system and incorporate it in the python application.
- Trained and managed team of two developers and discussed issues in order to provide resolution and apply best practices.
- Implemented process improvements to smooth development cycle and increase collaboration.

EDUCATION

Bachelor of Technology (IT)

Sri Manakula Vinayagar Engineering College, Puducherry

08/2013 - 05/2017

Passed with 9.18 CGPA

Courses

- Software Engineering
- Database Management Systems
- Operating Systems
- OOP, Data Structures & Algorithms

Python for Everybody

University of Michigan

12/2015 - 08/2016

Courses: Python Specialization

- Data structures
- Databases
- Access web data
- Data visualization

SKILLS

Python

Vue.js

Java

Linux

Research & Strategy

PROJECTS

Automation of Result Analysis (12/2015 - 03/2016)

- This project deals with analyzing University results based on the colleges and visualizing the data based on the pass percentage of all the institutions affiliated to the University
- Tech Stack: Python, Flask, Plotly
- <https://github.com/syogaraj/Automation-of-result-analysis>

Automated Video Object Recognition (10/2016 - 03/2017)

- Videos used for surveillance, monitoring, and entertainment purpose was introduced to a new plane by which we were able to surf the internet for E-commencing, E-learning, and Tourism with the help of image processing under computer vision
- Tech Stack: Python, OpenCV

Cashcog Expense Viewer (01/2020)

- A full stack application where expense details are read from a stream, modelled in DB and visualized in UI
- Backend Tech Stack: Python, Flask, SQLAlchemy
- Frontend Tech Stack: Vue.js

File based key-value datastore (02/2020)

- A simple key-value storage application where the data is stored in a memory-mapped file
- Tech Stack: Python
- <https://github.com/syogaraj/key-value-ds>
- <https://pypi.org/project/key-value-ds>

Contributed to Flutter and ProxySQL

- Identified hot reload issue on Flutter web.
<https://github.com/flutter/flutter/issues/67194>
- Raised feature request in proxysql to set client address in mysql connection for identifying rogue queries.
<https://github.com/sysown/proxysql/issues/3231>

ACHIEVEMENTS

Won in Hackathon event conducted by Appoets. (01/2016)

Shortlisted as TOP-50 contestants in TCS – Testimony (2015)

Recognized as Most Viewed Writer in Quora. (2014)