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Farhaan Bukhsh

Education

2014–2017 **Bachelors of Engineering**, *Dayananda Sagar College Of Engineering*, Bengaluru, .

Experience

May 2018 - Present **Software Developer**, Clootrack, Bangalore.
In Clootrack I am responsible to work on the AI engine which helps in delivering the final report to the client. I have worked on implementing few patented algorithms.

I have worked on an internal product with Django to build a scalable system, to process our data and help the data scientist to analyze it.

I also got the opportunity to work on few Natural Language Processing topics like Topic Modeling, part of speech tagger for different languages and sentiment analysis for non English language and deploy them where it can be consumed by another team to achieve their deliverable.

I have also been involved in some projects which involves making chat-bots to simplify various insurance needs, which required domain knowledge of insurance policies and technical knowledge to train and program it with DailogFLow.

Sep 2018 - April 2019 **Visiting Lecturer**, Dayanada Sagar University, Bangalore.
I was involved to teach basics of computer programming with Python to B.Arch students. I loved the part where two different ideas just came together.

Jan 2019 - Nov 2019 **Software Engineer**, Merico, Remote.
I helped them with a parser to analyze java source and helped their ranking algorithm with sufficient input to evaluate the source code.
Later I also helped them to write a test coverage server for analyzing the source code and evaluate it. Later my role diverged into helping the Machine Learning team to get their code deployment ready.

July 2017 - March 2018

Product Engineer, JNAAPTI, Bangalore.

During my time at Jnaapti, I worked across various domains, developing features end to end, handling the frontend (in React) and writing the server side logic in web2py (a python based framework.)
I also worked at maintaining the staging area for the product as well as deploying and developing products using Docker.
I've gained experience with setting up machines and configuring servers to achieve desired results. In order to simplify day to day processes I wrote various telegram bots in JavaScript and Python.

October 2015 - Present

Open Source Contributions, FEDORA PROJECT, Remote.

I have been working with Fedora Project for about 4 years now and have had the pleasure of working with some of the best minds in the industry.
I learned a lot about design, product development, how to communicate actively online, with people in different time zones and working with a team to achieve goals.
As a part of my GSoC project I worked on a CI tool for the Pagure project.
Most of the projects I work with revolve around web development with Python being the backend.

Projects

Private Cloud Containerisation with Raspberry Pi Network.

This project was an effort to make one experience the cloud, rather learn the about how to manage the cloud. We tried to achieve it by getting things working on a Raspberry Pi. This simplifes and makes things easier monetarily for people wanting to experiment with it. We mapped VMs to Containers where the root access of each container was given to end users.

Pagure - GSoC.

As a part of my GSoC project, I worked on Pagure which is a code reviewing system under Fedora. Under my mentor's guidance, I wrote various features like Pagure CI, Private Repos, and Pagure pages.

Dexer.

It is a simple project which reads files in the directory mentioned in the config file and indexes it. This then can be used to search the files present in the directory. This project is written in golang as an attempt to learn it.

Fedora Autocloud.

Collaborated with people to write unit tests for different atomic images for autocloud. The work is still ongoing and it's given me a deeper insight into the Linux command line.

Neural Network.

This is a very simple Artificial Neural Network created for recognition of hand written numbers. This is inspired by the book Make Your Own Neural Network By Tariq Rashid and was my attempt to learn about Neural Networks.

All My Projects.

List of all my projects with description can be found at https://farhaan.me/projects.html

Skill set

Programming and Scripting Languages.
Python, JavaScript, Bash and Linux scripting, Java

Architecture and Design Patterns.
Functional Programming, Object Oriented Programming, SOLID principles

Emerging Technologies.
Amazon Web Services, Docker, LXC, Kubernetes, GCP

Frameworks and Tools.
Flask, Node.js, ReactJS, ReactNative, Git, Jenkins, Beanstalk, RabbitMQ, Docker-Compose, Apache

Data Stores.
MongoDB, Postgres, MySQL

Operating Systems.
Ubuntu, Fedora, macOS

Editors and IDE.
Vim, Atom, Visual Studio Code, Android Studio, PyCharm

Workshops and Talks

- Pycon India - 2013, Lightning talk on use of Free and Open Source Software
- NIE Mysore - Nov '14, Client Side Development Workshop with Mozilla
- FSMK - June '15, Conducted a one week long workshop on Android Application Development as a part of Jnaapti
- PyCon Pune - Feb'17, Pagure: Past, Present and Future
- NIE Mysore - Dec'17, How spam changed the world
- DjangoGirls Bangalore - Jan'18, Mentor
- Bangpyper Meetup Speaker

Rewards and Recognition

- Got my name in the Django author list for my contributions - Jan 2020
- Successfully completed Google Summer of Code project under Fedora - June 2016
- Awarded the Best Project for Private Cloud using Containerization and Raspberry Pi
- Successfully given a talk in a Faculty Development Program while I was in college.
- Successfully organised a college level hackathon called "Hackman".