Arshpreet Singh

Senior Software Engineer

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Programming

OS Preference
GNU/Linux ★★★★★
Unix ★★★★★
MacOS ★★★☆☆
Windows ★★☆☆☆

Personal Skills

Experience

01/19 - Now **Senior Software Engineer** Maropost India, Chandigarh
Microservices Development and Deployment using Next Generation Technology Stack, Golang, Protocol Buffers, Kafka, Docker, Kuberbetes and Rancher

08/17 - 01/19 **Machine Learning Engineer** Exponential Machines
Development of Continuous Intelligence Platform using Python, Flask Web Framework and Machine Learning Libraries like Numpy, Pandas and Scikit learn, Optimzation of Deployment Piplelines using Docker and Rancher.

08/17 - 04/18 **Senior Software Engineer** Netsmartz Chandigarh
Blockchain POC Creation and Implementation using IBM HyperLedger, Development and Deployment of MicroServices, Automation Testing, Testing Framework Development.

05/16 - 08/17 **Full-Stack Python Developer** Revinfotech Ludhiana
Design and development of Software Projects using Amazon and Google Clouds, LTSP implementation.Automation of various internal Tasks using Python and Project Management.

01/14 - 02/15 **Linux Trainer and Web Developer** FutureTech IT centre Ludhiana
Teaching Linux Desktop and Server Administration skills to students. Developed various projects using technologies HTML, CSS, JavaScript, Python, C and shell Script. Computer technical support. Problem solving related to hardware, software and Operating Systems. Management of the internal Structure.

01/13 - 06/13 **Intern-ship** SysInfocom, Chandigarh
Training for Linux Desktop and Server Administration, management and migration of servers. Development of "Python Battery Saver pack"(Python Based). Learning and using Latex for creating reports and documents.

06/11 - 07/11 **Intern-ship** TCC GNDEC Ludhiana
Training for Python. Worked on college souvenir(Django Based Project). SageMath Deployment on Server and introduced SageMath and it's features to Research Students. Open Source Technologies.

Certifications

07/2019	**Go Programming Specialization**	Coursera
05/2019	**Ultimate Go Programming**	O'Reilly School of Technology
11/2018	**Julia Scientific Programming**	Coursera
09/2018	**Deep Learning Specialization**	Coursera
06/2018	**Julia Programming for Scientific Computing**	Coursera
06/2018	**BlockChain Basics and Beyond**	Lynda.com
12/2016	**Python for DataScience and Machine Learning**	Udemy. E-learning

Education

| 2009 - 2013 | **Bachelor's Degree in Information Technology** | GNDCE Ludhiana,Punjab,India |
| 2007 - 2009 | **Senoir Secondary School** | DC Model, Ferozepur |

Projects

03/2017	**Stock prediction using Random Forest**	Trading-Algorithm
	www.quantopian.com is used as platform to deploy,benchmark and evaluate performace of the Algorithm for single stock.	
01/2017	**Stock's Analysis using Ensemble Learning**	Research work
	Problem Definition: To Predict if close price of day N will be less or more than Close Price of Day N-1.	
08/2016	**Bitcoin Live Trading using ANN**	Revinfotech Ludhiana
	Bitcoin Live Trading is Web-Based System developed Using Django Framework.	
12/2015	**Gmail Analyser**	Elance/Upwork
	Gmail Analyser is Flask Based Solution which provides data of All Emails as per the request.	
03/2016	**ParaView Advanced Volume Filter**	Elance/Upwork
	ParaView is an open-source, multi-platform data analysis and visualization application.	

Open-Source Contributions

03/2016	**Tuxblocks**	Github
	Tuxblocks Game is developed using Java Based PlayN Game Engine.	
03/2016	**Open Street Mapping**	osm.org
03/2016	**Browser-Based File-Manager**	Github
	Flask based File Manager.	
03/2016	**Text-to-mp3 Android implementation**	Github
	Contributed to Open-source project Plyer by creating Python wrapper around Java Classes.	

July 19th, 2019

Arshpreet Singh Khangura