Peyman IRAVANI

08/13/1990 TEHRAN IRAN

Nationality: Iranian

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peyman iravani

EDUCATION

08/29/2014 - 07/26/2018 *

Master's Degree in Computer And Communication Networks Engineering

Politecnico di Torino

Thesis: Energy Efficient Data Center Operation: Measurements and Analysis

In the contemporary world, the vast majority of organizations throughout the world manipulate the information systems to their businesses. Hence, data centers which fall into the category of information systems play the supreme role in the most organizational operations for the purpose of ensuring the business continuity. Causing the interrupt in the running status of the system would create the Irreparable impact on businesses. Therefore, optimizing the surrounding that servers and storage devices are located become extremely challenging. Almost all design the data center infrastructures for the sake of handling the peak load conditions in order to make sure that the hosted environment works almost continuously but the maintenance of such systems is very costly. This fact elaborates the necessity of having the durable system that regulates the energy consumption as well as reduce the maintenance cost of such environments and simultaneously ensuring the optimal performance of the system. In the classical method, a Fluid dynamic model is implemented in order to properly model the dynamic and complex environment of a datacentre. But the traditional approach, substantially long time to yield the steady state as the result it causes the loss of productive time and resources. We proposed the ARIMA time-series forecasting in order to predict the behavior of whole data center system but meanwhile promise a faster convergence and therefore a higher performance. By having the datacenter which have changing server heats and fans speed, our system has an objective to accurately predict the power which is used by IT loads that passing through the datacentre. Furthermore, in this thesis, we take the predicted values which were generated by predictor and use them as the input to the optimizer in order to reduce the whole power consumption of the datacentre.

Supervisors Mellia M.

INTERNATIONAL EXPERIENCE

06/11/2018 - 06/12/2018

Tobi hack - Won the first place

Vodafone - Milan - ITALY

04/17/2017 - 10/01/2017

Master thesis

RWTH university - Aachen - GERMANY

PROFESSIONAL EXPERIENCE

05/22/2013 - 07/24/2014

Test and monitoring network engineering

Shatel - Tehran - IRAN

I was working at the team that consist of 30 people and this team was accountable to

support the monitoring infrastructure in delivering and maintaining the system management event monitoring capabilities

Permanent Employment

10/31/2012 - 04/24/2013 Internship, Configuration and maintain of HP servers

Shatel academy - Tehran - IRAN

During my internship I was responsible for configuration and maintenance of HP servers of Shatel academy by using VMware/VSphere

Internship

LANGUAGE SKILLS

Mother tongue: Persian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken	Spoken	
Armenian	A2	A2	A2	A2	A1
English *	B2	B2	B2	B2	B2
German	A1	A1	A1	A1	A1
Italian	B1	B1	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

Language certificates

2013 IELTS : 6.5

COMPUTER SKILLS

OPERATING SYSTEM
Windows (Windows 7-8-10, Windows Server 2013-2018)
Linux
advanced level

PROGRAMMING LANGUAGE/CODE
C C++ C#
Python
SAS
CSS
HTML
ASP
Node.js
React

PROGRAMS/SOFTWARE

1. Rapid miner
2. Wireshark
3. Omnet++
4. VMware/VSphere
5. SharePoint
6. Matlab
7. RadioMobile
8. tensor flow
9. Caffe
10. Keras

DATABASES	Oracle MySQL SQL MongoDB good level
GRAPHICS	Photoshop
SPREADSHEET	Excel Tabula advanced level

PERSONAL SKILLS/OTHER SKILLS

. Excellent written and oral communication capability
. Ability to read, understand and communicate technical documentation
. Strong background in Python and SQL
. Strong coding ability both in producing clean and efficient code as well as debugging and understanding large code bases
. Apply machine learning and graph analysis techniques for a wide range of modeling and relevance problems
. Relevant knowledge of machine learning and data mining concepts with an understanding of supervised and unsupervised learning methods (such as Regression, Decision tree, Time-series forecasting, clustering, SVM, etc)
. Experience with database technologies such as SQL, Hadoop,Oracle and MongoDB

OTHER INFORMATION

Available to travel on business in Italy, abroad

Available to relocate in Italy, abroad

* *Fields marked with an * are certified by Politecnico di Torino, while the potential thesis description is added by the candidate.*