Dalwar Hossain

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HIGHLIGHTS

Programming	Python, Shell Scripting
Cloud Services	Amazon Web Services (AWS)
Automation	Saltstack, Docker, Jenkins
Database	MySQL, PostgreSQL, Couchbase
Version Control	Github, Gitlab, Gerrit
Operating Systems	Ubuntu, CentOS, Debian, Windows Server 2008, 2012

WORK EXPERIENCE

May 2017 - Nov 2017

DevOps Engineer
Fraunhofer Fokus, Berlin, GERMANY
- Implementation and configuration of SALTSTACK in virtual machines
- Create custom SALTSTACK formula, module, grains and pillars
- Implement reverse proxy and load balancing with NGINX
- Create user defined parameters for ZABBIX agent
- Write shell and python automation scripts
- Network automation using SALTSTACK and NAPALM
- Write automation modules for low level network switches

Dec 2016 - Mar 2017

Software Engineer (Working Student)
Quobyte GmbH, Berlin, GERMANY
- Designed and implemented tests for Amazon S3 interface
- Integrated the tests into automated test environment

Jul 2013 - Jul 2015

QoS Associate Engineer
Banglalink Digital Communications Ltd., Dhaka, BANGLADESH
- Developed back end data processing software using Python
- Developed front end web application for visualizing data & report generation
- Automated system wide tasks for in-house and FTP servers using Python
- Created KPI formula & database structures
- Created MySQL database schema & queries for data processing
- Administrated RHEL & Debian based Linux servers (60+ HP G7)

Mar 2012 - Jun 2013

Performance Junior Engineer
Banglalink Digital Communications Ltd., Dhaka, BANGLADESH
- Administrated RHEL & Debian based Linux servers (60+ HP G7)
- Automated tasks for in-house servers using Python & Java
- Created and administrated Oracle 10g database for user based data
- Troubleshooted Windows 2012 servers for H/W or S/W problems
- Created network topology for network optimization servers
- Maintained, updated & extended in-house softwares developed in Java

Education

Sep 2015 - *Present*	**Master of Science in Internet Technology and Architecture (ITA)** *Technische Universität Berlin,* Berlin, GERMANY (2nd Year) *Université Pierre et Marie CURIE,* Paris, FRANCE (1st Year) • *Major Thesis*: Community Detection in Financial Networks • *Project*: Analysis and Visualization of BGP IPv4 Prefix Delegation Structure • *Project URL*: http://tkrenc0.inet.tu-berlin.de/bgp_webportal/
Jun 2016 - Jul 2016	**Summer School on Privacy, Security and Trust** *Università degli Studi di Trento,* Trento, ITALY • *Project*: **aID**, a secure service that provides time efficient medical history of patients to medical professionals in emergency situations to save lives faster • *Topic*: Innovative business proposal on security and privacy in digital Life
Feb 2008 - Oct 2011	**Bachelor of Science in Computer Science and Information Technology** *Islamic University of Technology,* Dhaka, BANGLADESH • *Dissertation*: Personalized Web Recommendation Combining User-centered Collaborative Technique with URL Weighting

Mentionable Projects

2016	Analysis and Visualization of BGP IPv4 Prefix Delegation Structure Python, MySQL, PHP5, HTML5, CSS3, Chart.js
2015	3G Data analysis tool for complete performance report generation Python, MySQL, PHP5, HTML5, CSS3
2015	Software for automated KPI calculation & easy access web portal Python, MySQL, HTML5, PHP5, CSS3

For more projects and details, please visit: www.user.tu-berlin.de/hossainarif

Languages

BANGLA	ENGLISH	HINDI	FRENCH	GERMAN
Native	*Proficient*	*Intermediate*	*Basic (A1)*	*Beginner*

Other Skills

Programming	C/C++, R, Java, php, Yaml, Jinja2	Monitoring	Zabbix, redash.io
Design	Wordpress, HTML5, CSS3	Methodology	Scrum, Kanban
Networking	GSM, IPv4, IPv6, Routing, Switching	IDE	PyCharm, Eclipse
Project Management	Trello, MantisBT	Media	MS Office, LaTeX

Scholarships and Awards

2016	EIT Digital Summer School, 1st **Runner-up**, Innovation and Entrepreneurship Challenge
2016	EIT Digital Scholarship on Internet Technology and Architecture (TU Berlin, Berlin, Germany)
2015	EIT Digital Scholarship on Internet Technology and Architecture (UPMC, Paris, France)
2008	OIC (Organization of Islamic Cooperation) full scholarship on B.Sc study (IUT, Dhaka, Bangladesh)