

Rifat Rahman

System Administrator at IPvision Canada Inc

Summary

Learning new technologies and adopt with the technological trend.
Flexible enough to learn new things, dedicated in programming in Linux.
Specially enjoy tinkering with low level Linux things and the kernel.

Experience

Senior System Analyst at IPvision Canada Inc

March 2015 - Present (2 years 1 month)

- Leading the OpenStack private cloud deployment project.
- Leading Network Operations Team & Network Monitoring Team.
- Administering RingID servers.
- Designing labs for different teams working on distributed systems.
- Virtualization using Ovirt and KVM.
- Exploring different storage technologies.
- System & Cluster automation.

Linux System Administrator at Hard Won International Technologies Pvt. Ltd.

June 2014 - February 2015 (9 months)

Administering Linux Servers, System Provisioning, Designing and Performance Tuning, Automation, Development in Python

System Administrator at Code Testing Labs Ltd

September 2013 - March 2014 (7 months)

Managing VoIP servers (asterisk, kamailio, freeswitch) and other things, writing programs in C for servers, Leading a team for sophisticated design and analysis, Working with server virtualization and clouds.

Programmer at Code Testing Labs Ltd

May 2013 - August 2013 (4 months)

Programmer at Integrated Business Systems and Solutions Pvt. Ltd.

September 2011 - April 2013 (1 year 8 months)

Linux / Unix programming along with network programming. Writing various programs for servers basically.

Publications

Design and construction of an automatic solar tracking system

IEEE December 18, 2010

Authors: Rifat Rahman, Md Tanvir Arafat Khan, S.M. Shahrear Tanzil, S M Shafiul Alam

An automatic solar tracker is designed which is low cost compared to other available solutions.

Projects

Kernel space RTP data encryption, decryption, padding, and ptime modification

July 2012 to Present

Members: Rifat Rahman, habibullah araphat konok, Taufique Hussain, ariful hossain, toufiq morshed

This is just a step to speed up the heavy weight encryption-decryption of RTP data by doing this in kernel space. While userspace ptime modification slows up, kernel space modification can speed up the process much more.

Face recognition by using DWT and DCT for both pose and illumination variations

January 2010 to January 2011

Members: Rifat Rahman

This is an approach for facial recognition when both pose and illumination is considered.

- When only pose variation is considered, then upto 99.5% recognition rate confirmed.
- When only illumination variation is considered, then upto 99.75% recognition rate is confirmed.
- When both r considered, upto 98.75% recognition rate is achieved.

The algorithm is based on discrete wavelet transform and discrete cosine transform.

Low cost solar tracking system for solar panels

November 2009 to January 2010

Members: Rifat Rahman, tanvir arafat, shahrear tanzil, sujan shaha

This is a smaller solar tracking system where a solar panel can track the sun just like a sunflower.

AVR ATmega32 microcontroller, a stepper motor, two light sensors were used for the demonstration purpose.

Skills & Expertise

Linux

C

Programming

Python

Virtualization

MySQL

Shell Scripting

Matlab

Linux System Administration

Embedded Systems

Red Hat Linux

Git

TCP/IP

Servers
Cloud Computing
Linux Kernel
Open Source
Bash
VoIP
Algorithms
Unix Shell Scripting
Operating Systems
Software Engineering
Software Development
Storage
Theoretical Physics
Mathematics
Ubuntu
Asterisk
OpenStack
Networking
Linux Network Programming
High Performance Computing
Cluster
System Administration
C Programming
System Deployment
Performance Tuning
Linux Server
Ansible

Education

Bangladesh University of Engineering and Technology

B.Sc.Eng., Electrical and Electronic Engineering, 2006 - 2011

Interests

Physics, Mathematics, Programming, Visiting places, Reading books.

Courses

Independent Coursework

Red Hat Enterprise System Deployment RH-401

Red Hat Enterprise Hardening RH-413

Red Hat Clustering and Storage Management	RH-436
Red Hat Enterprise Virtualization	RH-318
Red Hat System Administration	RH-124, RH-135, RH-255
Red Hat Enterprise Linux Monitoring and Performance Tuning	RH-442

Certifications

Red Hat Certified System Administrator (RHEL 7)

Red Hat License 150-138-782 September 2015 to September 2018

Red Hat Certified Engineer (RHEL 7)

Red Hat License 150-138-782 September 2015 to September 2018

Red Hat Certified Virtualization Administrator

Red Hat License 150-138-782 August 2015 to August 2018

Red Hat Certified System Administrator in Red Hat OpenStack

Red Hat License 150-138-782 August 2015 to August 2018

Red Hat Certificate of Expertise in Hybrid Cloud Storage

Red Hat License 150-138-782 August 2015 to August 2018

Red Hat Certificate of Expertise in Clustering and Storage Management

Red Hat License 150-138-782 September 2015 to September 2018

Red Hat Certificate of Expertise in Server Hardening

Red Hat License 150-138-782 October 2015 to October 2018

Red Hat Certified Architect

Red Hat License 150-138-782 October 2015 to October 2018

Rifat Rahman

System Administrator at IPvision Canada Inc



[Contact Rifat on LinkedIn](#)