



# MOHAN KHADKA

## SYSTEM ADMINISTRATOR

Because Even Developers Need Heroes

### PROFILE

Motivated Linux System Administrator with proven knowledge in various open-source operating systems. Committed to improvement with strong passion of the work.

### CONTACT

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### ACTIVITIES/PROJECTS

- **Software Freedom Day**, Nepal (2013 - Present): Assisting organization of Software Freedom Day in Nepal since 2013 by creating Awareness about Open Source Software, Campus Campaign in different Colleges etc.
- **Mozilla Nepal** (2013-Present): Organized and participated in various Mozilla related events over the years. Mozillian since 2013.
- **Others:** Organized various bootcamps session and training sessions over the years in different colleges, communities and region. Donated 5 Raspberry-pi based fully functional computers to the schools in rural area of the Far-Western Development Region.

### EDUCATION

#### Little Angels' Collge, (2011-2013)

Science | HSEB (+2)

Hattiban, Lalitpur

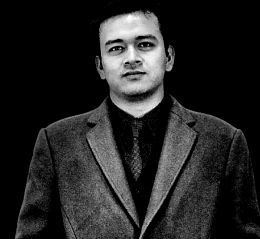
#### Lord Buddha Education Foundation (2019 - Present)

Bachelors in Science & Information  
Technology (Hons.)

Maitidev, Kathmandu

### SKILLS

- Linux Kernel Programming
- Bash Scripting
- CI/CD with Jenkins, Gitlab, buildbot and such
- Infrastructure Automation
- Docker and Services
- Python
- Robotics and Embedded System
- Cloud Services and Security
- VMware vSphere
- Mass Storage Deployment in HA
- Server/System Management
- IT infrastructure Planning/Designing



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Because Hotfix is fun than Bugfix.

### WORK HISTORY

#### Linux System Administrator

March 2017 - May 2019

##### **Real Time Solutions Pvt. Ltd, Lalitpur**

- Developed organization-wide administration policies to encourage continuity across multiple/cross systems and facilities.
- Designed best practice for backups, the IT infrastructure and disaster recovery using bash script and other various tools.
- Created and serviced beta administrator and users on Linux-based systems, managing all deployments for testing.
- Automated daily routine tasks and built CI/CD, DNS Synchore and DHCP server.
- Implemented monitoring and alert system all over the infrastructure.
- Resolved vulnerabilities by making improvements to network security.
- Created, Maintained and Backed up Virtual Machines for better performance and instance management using KVM and VMware.
- Designed and developed IT infrastructures for Governmental Organizations such as Civil Aviation Authority Nepal, Department of Hydrology and Meteorology.
- Designed and evaluated WAN and LAN technologies to implement in the organization.
- Containerized software deployments using docker and KVM for better micro management of all active/inactive instances.
- Standardized job tasks and trained junior team members on industry best practices and standards.
- Worked on Early Warning System with NTC and DHM for flood alerts.

### PERSONAL SKILLS

- A Technical Mind
- Good Communication
- Multi-tasking
- Attention to Details
- Good Problem Solving Skills

### LANGUAGES

English	● ● ● ● ●
Nepali	● ● ● ● ●
Hindi	● ● ● ● ●