



Manoj GAUTAM

PERSONAL DATA

PLACE AND DATE OF BIRTH: Gulmi, Nepal | 02-05-1990
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INDUSTRIAL EXPERIENCE

Current
MARCH 2017 **OLE Nepal** Kathmandu
Lead Software Developer

- Design and architect digital library system the [Pustakalaya](#).
- Worked on both Backend and frontend stacks of pustakalaya
- Used Elastic search, python/django, vuejs and vanilla javascript
- Used Postgresql database system and implement high availability architecture using container system docker
- Implement complete devops workflow process using docker and docker swarm
- Leading a team of software developers and assign works to each developers and talk effectively with stackholders.

March 2017
FEB 2016 **Build Change** Kathmandu
IT Manager

- Worked with fulcrum a data collection platform and created forms and form validation using JavaScript.
- Created a BI dashboard for data visualization using Django, JQuery and D3js.
- Configured, manage and troubleshoot services like Samba, DNS, Apache, and MySQL.
- Ensure that the organization's network is functioning properly.
- Configured, manage and troubleshoot Network Attached Storage(NAS).
- User administration (setup, maintain and troubleshoot account), monitor system performance using zabbix and install and update software up to date.
- Created a backup and recover policy plan, verify that peripherals are working properly, quickly arrange a repair for hardware in occasion of hardware failure.
- Implemented the policies for the use of the computer system and network Set up security policies for users.
- Provide technical support, training and technical documentation for the users.
- Keeping management and vendors updated on progress.
- Speaking to management team/vendors and coordinate to find out what they want.

Dec 2013
JULY 2012

Cloud Host Info Kathmandu
Linux System Administrator

- Configured and managed services like DNS, Apache, Nginx, Mail services and Database services (MySQL, postgresql).
- Configured and setup Configuration Management tool ansible for system administration automation.
- Created a file systems, installed and updated software up to date, created a backup and recover policy plan for maintaining system, verify that peripherals are working properly, quickly arranged a repair for hardware in occasion of hardware failure and monitored network communication.
- Implemented the policies for the use of the computer system and network set up security policies for users.
- Setup and Configured firewalls and intrusion detection systems.
- Created Password and identity management.
- Provided a technical support, training and technical documentation to the Information Technology team.
- Documented a server configuration, and scripts, and all other relevant information in a repository using the Version Control system.

ACADEMIC EXPERIENCE

current
SEPT 2013

Nepal College of Information Technology
Cisco Certified Academy Instructor Trainer

- Teach ICND1, ICND2, CCNA Discovery course, CCNA Exploration, CCNA Routing and Switching, Partner Developed NGD Linux Essentials offered by Cisco Inc to CCNA (Cisco Networking Academy)
- Managed the CCNA academy training programs for the Cisco Networking Academy Program
- Developed and updated skills-based assessments for academy students
- Implemented update training programs that successfully retrained over students
- Provide curriculum support and implementation support to CCNA Academy
- CCNA curriculum follow, content, and delivery of interactive, facilitation-based training utilizing multiple teaching platforms including classroom, web based platform and self-directed instruction
- Enroll students in cisco Academy and provide required trainings to students to earn the CCNA Certification

July 2017
APRIL 2017

Sunway International Business School Kathmandu
Part time lecturer

- Delivers lectures on Object Oriented Programming for BCS students.
- Conducted quiz assignment, exam and presentation as a part of curriculum.
- Conducted a project work on "software development using OOP(Java)" for students as a part of a software development practices.

Sept 2015
JUNE 2014

Nepal College of Information Technology Kathmandu
Junior professor

- Taught undergraduate level in areas allocated by the Head of Department and reviewed from time to time by the Head of Department.
- Assisted in the development of learning materials, Lab manuals and preparing schemes of work.
- Delivered lecture on Computer Network and Electronic circuits.
- Assisted in the development, administration and marking of exams and other assessments.
- participated in the administration of the department's programs of study and other activities as requested.

June 2014
MARCH 2013

Nepal College of Information Technology Kathmandu
Teaching Assistant

- Conducted labs on Computer Network, Microprocessor, Electronic circuits, embedded system and Software engineering.
- Delivers lecture on Project management for engineering students and worked as a project supervisor of engineering students.

VOLUNTEERING

Feb 2017
NOV 2016

Delta Women Foundation Nigeria
Volunteer

- Taught Network Essential course to Nigerian students provided by the cisco netacad platform.
- Collaborate with [cisco Inc](#) to provide the netcad platform for delta women students.
- Provide a cisco netcad platform for delta women and conduct a cisco netacad exam for students to earn cisco networking essentials certification.
- Assisted in the development, administration and marking of exams and other assessments.
- participated in the administration of the department's programmes of study and other activities as requested.

EDUCATION

2018 Master in COMPUTER ENGINEERING ME, **Pokhara University**

Thesis: "Application Aware Route Optimization in Software Defined Network"
ADVISOR: MR. KUMAR PUDASHINE

OCT 2012 Bachelor in ELECTRONICS and COMMUNICATION ENGINEERING

Nepal College of Information Technology, Pokhara University

Thesis: "Real Time Navigation and Positioning System"

GPA: 3.74/4

AUGUST 2014 CS-169.1X: LFS101X: INTRODUCTION TO LINUX

A course of study offered by LinuxFoundationX, Initiative of The Linux Foundation through edX., edX

Authenticity Verification : <https://verify.edx.org/cert/b707e8aa455e4a9f9aba3c5c03fafdbc>

AUGUST 2013 CS-169.1X: SOFTWARE and AS A SERVICE

Initiative of The University of California through., edX

Authenticity Verification : <https://verify.edx.org/cert/1f7f15de05454206ad1a26ea3ac90158>

GLOBAL CERTIFICATION

CCNA CERTIFIED: License CSC012340849

Certificate Verification No. : **416041794381GPCL**

RHCE CERTIFIED: Red, Hat, Inc, License: **130-203-102**

RHCSA CERTIFIED: Red, Hat, Inc, License: **130-203-102**

MICROSOFT CERTIFIED PROFESSIONAL: Certification No.ES58-5315

MICROSOFT CERTIFIED SPECIALIST: Certification No.ES45-4509

SCHOLARSHIPS AND CERTIFICATES

2014 **Pokhara University** Master in Computer Engineering Scholarship (Full Scholarship)

2006 **Pokhara University** **Dean List Achiever** in Undergraduate Studies (Electronics and Communication Engineering)

PUBLICATIONS

SEPT. 27, 2013 Pyro: Python programming framework for Integrated Robotics Environment Development
NascoIT

SEPT. 27, 2013 Real Time Simulated Robotic Arm For Telerobotics
NascoIT

SKILLS

Security: VPNs (Site-to-Site, IPSec, Remote Access, SSL, WebVPN, GET VPN, DMVPN, ezVPN), SELinux, SSH tunnels, SCP, Sftp, Snort, Fail2ban. AAA, Kerberos, ,Access Lists, Linux firewalls and IPTables, OpenVPN

Routing: RIPV1, OSPF, EIGRP, RIPV2, IS-IS, RIPng, OSPFv3, EIGRPv6, BGP, BGPv4. GRE, MPLS, IPv6

Switching: STP, RSTP+, PVST, MST, VTP, Trunking, VLANs, VTP, Layer 3 Switches, Ether Channels, Transparent Bridging

WAN: HDLC, PPP, Frame-relay, ATM

Services: Pxe,DHCP, CDP, DNS, HTTP,TFTP, FTP, NAT, SSH,proxy SMTP, POP IMAP , NFS, SNMP, TLS/SSL, STP, LDAP, HSRP, VRRP, GLBP, EtherChannel.

Programming: PYTHON, PHP, JAVA, JAVASCRIPT ~~LaTeX~~

Database: Mysql, sql, mongodb, PostgreSQL

Scripting: BASH,Python

Virtualization: KVM, VMware, vSphere, Vargant, ESXi Server, Fusion, Microsoft Hyper-V

Monitoring Tools: Nagios, Cactic, MRTG, Open NMS, zabbix

CMS : Wordpress, Joomla, Drupal.

Web frameworks: Django and Flask.

Libraries: Jquery, AngularJs.

ACADEMY COURSE DELIVERY SKILLS

<i>current</i> SEPT 2013	Nepal College of Information Technology <i>Lecturer of Computer Network</i> Lecture Computer Networks Course for bachelor of Engineering (Computer /IT)
<i>February 2014</i> SEPT AUGUST 2014	Computer Point Nepal <i>CCNA Trainer</i> Taught CCNA Course according to CCNA Syllabus offered by Cisco Inc.

LANGUAGES

NEPALI: Mothertongue
ENGLISH: Fluent
HINDI: Basic Knowledge

INTERESTS AND ACTIVITIES

- Technology, Open source development, Pair Programming,

REFERENCES

NAME: [Bhoj Bahadur Karki](#)
DESIGNATION: Backend Developer AngelSwing
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