**Abhishek Hazra**

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Summary: -

* Professional with 7+ years of experience in ISP, IT networking and IT service industry handling customers and Network applications.
* Looking forward to advance and improve my career in the field of **Network Automation, solutions, scripting and programming.**
* Knowledge of oops and programming language such as Python and java.
* Proficient in configuring/administrating Network technologies and protocols.
* Strategize and providing technical and cost effective solutions to customers, based on requirements and scenarios.
* Team handling and mentoring
* Please visit to know about my journey and side projects: - [**http://www.abhishekhazra.in/**](http://www.abhishekhazra.in/)

## Key Skill

* Knowledge of network flow and terminologies like:-
* Network terminologies :- TCP/IP, TCP , UDP, DNS, MPLS, VRF, GRE,DHCP
* Routing Protocols: - BGP, Ospf, Eigrp etc.
* Switching concepts: - Vlan, Spanning tree (STP), MSTP, RSTP, VTP, Trunking Etc.
* Exposed to concepts :- SNMP, Netconf , Restconf
* routing/Switching devices (Cisco, Juniper)
* Knowledge of OOPS and intermediate programming in Python.
* Data structures in python
* Core concepts
* Working knowledge of APIs (REST) .Used libraries to create and communicate: -
* flask /flask-restful (basic framework)
* requests
* token based authentication with jwt
* RPC/Json-rpc.
* Data serialization: - JSON, xml, yaml and worked with pickle module.
* Knowledge about yang data model
* Working of HTTP protocol and its verbs
* Working knowledge on TCP sockets and socket programming. (**Built a reverse shell using the same**)
* Basic knowledge on databases and used sqlite3 in a side project.
* Deployed one project on apache2 on AWS EC2 instance (ubuntu)
* Used packet analyzer such as WIRESHARK.
* Worked with Linux OS file system.
* Worked on operation and project tools like CRM and Metasolv m6.
* Strategic Planning and Vendor Management

## Certification/Training

* CCNA (Cisco certified network associate)
* CCNP (Cisco certified network professional ,Routing/switching) ID-CSCO12588033
* JNCIA Training (Juniper)
* AWS (Organizational level Workshop/Training)
* Cisco DEVNET Associate (pursuing)

## ORGANISATIONAL EXPERIENCE

June 2017 – Present

**Employer : MasterCom Technology Services India Pvt Ltd**

**Profile : Sr Network and operation engineer**

* Primarily focused on the IP provisioning part of a service link activation process.
* Handling/Mentoring a team of 5 members who are responsible for issue/trouble tickets raised during the automation of IP link activation.
* Responsible for the NetP automation application (auto configuration on the Network devices and malfunctioning of the logic implemented) functionality.
* Closely working with the Inventory and BPM team for integration related issues with NetP App.
* Simultaneously had worked on an automation controller development and had contributed towards the project
* Server logs and application log analysis on daily basis for the regular issues and figuring out ways to handle them
* NetP Code logic verification/discussion with the vendors as well as the users ,and designing a proper flow logic for implementation
* Maintaining the app servers and target resolution for any performance issue if observed.
* Implementing optimization scripts if required in coordination with the vendor team.
* Active part of governance calls for discussing and setting project goals, based on regular issue analysis and ways to mitigate them.

Nov 2016 – June2017

**Employer : Sify technologies,**

**Profile : Service operation Level 2 engineer (delivery telecom team).**

* Second level escalations for local sify customers and interacting with them for effective resolution and providing solution for the better productivity of the link.
* Troubleshooting last mile and connectivity issue of customers in Sify cloud
* Handling change management activities.
* Analyze repetitive issues in the network connectivity

Oct 2015 – Oct 2016

**Employer : Synoptics technologies Pvt.Ltd.**

**Profile : Sr Network Engineer**

**Project : Bharti Airtel (service delivery)**

* Responsible for link up-time and deployment for the business customers throughout Pan INDIA
* Providing support to 19 regional heads for link delivery and was SPOC for service related issues for the project.
* Handled 5000+ Airtel link both on wired and wireless Media.
* Including MPLS (L3 solution), RF last mile, Copper last mile, fiber last mile
* Was actively a part of the 3G connectivity solutions and successful deployment of the same
* Helped in successful setting up of a new NMS for monitoring.
* Detection and Effective resolution of latency caused during delivery and production outage.
* Coordinating with Sr. management from customer end to avoid latency and facilitate faster deployment.
* Responsible for gathering/coordinating resources from other technology teams when necessary to complete project deadlines.

Jan 2015 – Oct 2015

**Employer : Javi System India Pvt. Ltd.**

**Profile : Network Engineer**

**Project : RJIL\_4G Project**

* Administration of Juniper Router ACX 2200 and Cisco ASR 903, ASR 920i Series.
* Troubleshooting routing protocols such as ISIS, BGP, etc.
* Upgrades network by conferring with vendors (developing, testing, evaluating, and installing enhancements)
* Coordination with NOC Engineers for maintaining network uptime.
* Generating reports and issue logging.
* Designing router administration, including interface configuration and routing protocols.
* Helped setup a MPLS l3 link on Cisco routed from scratch.

Aug 2013 – Jan 2015

**Employer : Sri Sathya Sai International ltd**

**Profile : Network Engineer**

* Planning and configuration of bandwidth, Vlans, trunking and access policies depending on the requirement.
* Troubleshooting on Cisco routers and switches and training new students/interns.

**Ø Achievements:**

Recent: -

* Built a demo E-billing register project and the source code can be found on the link given above
* Built a messaging chat server using TCP sockets only and select system call.
* Written a script for automating SNMP walk using threads.
* Created a project plan and presentation for an evolved idea and placed in front of stakeholders .Slides can be found on github. Visit the profile link.

During collage: -

* Organized Workshop on Ethical Hacking conducted by Innobuzz.
* Pivotal role in conducting a workshop on Swarm Robotics.
* Participation in DAKSHA 2K12, national level robotics.

## EDUCATION

**Graduation** B tech in biotechnology from G.I.E.T Gunupur Orissa (BPUT)

**12th –** passed from J.K.B.K GOV College Orissa (CHSE board).

**10th –** passed from St. Antony’s school Orissa (ICSE board.

Date of Birth : 7th Sep 1991

Languages Known: Hindi, English, Oriya, and Bengali

Date: Abhishek Hazra