

## 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/>

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### 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

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### 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)

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### 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.

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### 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.

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### 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).

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Date of Birth : 7th Sep 1991

Languages Known: Hindi, English, Oriya, and Bengali

Date:

Abhishek Hazra