

# RADHA MOHAN PARASHAR

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## SUMMARY

- + **Overall 3.9 years** of rich work experience in protocols such as QOS, HQOS, MPLS-TUNNEL, NETCONF, YANG, MEF 10.2
- + 3 Years of experience in **Ip infusion & Aricent** since June 2015, in implementation of L2/L3 Protocol development.
- + 9+ months of experience in Ciena since 30th July 2018, in data plane work related to L2/L3 protocol development.

## HIGHLIGHTS

- + Strong knowledge in **C and Linux OS**.
- + Good understanding of **data structures, networking AND operating system**.
- + Excellent **Communication, Interpersonal** and **Analytical** skills.
- + **Quick learning ability** with proficiency in **debugging skills** and **troubleshooting**.

## TOOLS

- + Wireshark & GDB & Valgrind & Klocwork
- + JIRA & Bugzilla
- + GIT & CVS & Perforce

## Programming Languages/

- + C, XML, XSD
- + Shell & Python Scripting

## Operating Systems / Platforms / RDBMS

- + Unix, Linux, windows

## EMPLOYMENT HISTORY

Since July 2018

**Ciena** – Embedded Software Engineer 1B

Worked on data plane side for MPLS and Benchmark protocols.  
Lead developer for network logging tool - Flight Recorder.

Since January 2018

**Aricent** – Senior Software Engineer

Complete development life cycle and customer support for QOS & MEF 10.2 within Padtec OTS 12.

Since June 2016

**IP INFUSION** – *Software Engineer*

End to end features development with SNMP/CLI/NETCONF for QOS,HQOS and MPLS-TUNNEL.

Features development for HQOS-policing and scheduling ,COS mapping,metering,shapping.

Lead developer in python for parsing and C code generation for SNMP/CLI/NETCONF.

Lead developer for Ansible module scripting.

Since June 2015

**IP INFUSION** – *Associate Software Engineer*

Lead Developer of Python, Sqlite3, Netconf, Yang CLI and ZebOS CLI Structure and Transaction Management (Database Management) for ZebOS CLI in the team.

## ACHIEVEMENTS/AWARDS/PUBLICATIONS

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- PLACED IN NATIONAL TOP 2% OF NEARLY 5, 00,000 CANDIDATES IN THE IIT-JEE 2011.
- PLACED IN NATIONAL TOP 2% OF NEARLY 5, 00,000 CANDIDATES IN THE AIEEE 2011.
- WON 2ND PRIZE IN 'DOCUMENTARY COMPETITION IN MELANGE'13- CULTURAL FEST, NIT PATNA.'
- LEAD MY SCHOOL CRICKET TEAM TO WIN "INTER SCHOOL TOURNAMENT" IN THE YEAR 2009.
- CORE MEMBER OF 'SANKALP-GHAR GHAR SIKSHA KA' A UNIT OF "NSS-NIT PATNA".
- LEAD BLOOD DONATION CAMP, BLANKET DISTRIBUTION FOR POOR AND OTHER NSS ACTIVITIES ORGANISED BY MY COLLEGE.
- EVENT ORGANIZER OF PYTHON-WORKSHOP ACTIVITIES UNDER NSS.
- EVENT ORGANIZER OF NATIONWIDE SENSITIZATION WORKSHOP ON MATHEMATICS FOR TEACHERS AND ACTIVISTS AT NIT PATNA.
- LEAD AS WORKSHOPS COORDINATOR IN CORONA'13-TECH FEST NIT PATNA'.

## EDUCATION

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**2011-2015**

**BACHELOR OF TECHNOLOGY, INFORMATION TECHNOLOGY**

*National Institute of technology , Patna*

## PROJECT EXPERIENCE

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1.

<b>Project Title</b>	<b>6500 Packet Transport System (PTS)</b>
<b>Description</b>	PTS addresses the growing need to maintain profitable delivery of TDM services while future-proofing investments toward an all-packet network modernization.
<b>Role</b>	Member of PTS-Data plane development team and owner of Benchmark module.
<b>Responsibilities</b>	Development for Benchmark features RFC2544 and Y1564.
<b>Company Name</b>	CIENA INDIA PVT LTD.

2.

<b>Project Title</b>	<b>Padtec OTS 12</b>
<b>Description</b>	OTS-12 is new platform of Padtec which supports OTN switching functionality as per ITU-T standard G.709
<b>Role</b>	Member of OTS-12 development team and owner of QOS module.
<b>Responsibilities</b>	Development for QOS features on the basis of MEF 10.2.
<b>Company Name</b>	Aricent Technologies (Holdings) Ltd.,

3.

<b>Project Title</b>	<b>Open Computing Network Operating System(OcNOS 1.2-OcNOS 1.3)</b>
<b>Description</b>	full-featured network operating system for data center and enterprise networking
<b>Role</b>	Member of OcNOS development team and owner of QOS module and python scripts for LINUX branch
<b>COMPANY NAME</b>	IP INFUSION PRIVATE LIMITED
<b>Responsibilities</b>	<ul style="list-style-type: none"><li>Implemented DATAMODEL for QOS,HQOS and MPLS-TUNNEL in XML which used to generate CLI/SNMP/NETCONF code and YANG code.</li><li>Features development for HQOS-policing and scheduling ,COS mapping ,metering,shapping.</li><li>Fixed Bugs For QOS,HQOS and MPLS-TUNNEL Protocol.</li></ul>

- Implemented NETCONF framework for QOS,HQOS which used to configure networking protocol with transactional features (support for candidate, running, startup DB).
- Upgrade/DowngradedatabaseFeature Implementation.
- Wrote python script to fetch data from DB for show running config commands .
- Implemented replace operation for QOS,HQOS Used by NETCONF which is useful to change state of machine.
- Implemented getApi for QOS and MPLS-TUNNEL which is used to fetch state data in NETCONF.

4.

<b>Project Title</b>	<b>ZebOS Management Plane Framework(ZebM 1.3 to 1.4)</b>
<b>Description</b>	software framework that enables network device vendors to quickly and inexpensively deliver world-class management functionality for their products.
<b>Role</b>	Member of ZebM development team and owner of netconf and yang module and python scripts.
<b>COMPANY NAME</b>	IP INFUSION PRIVATE LIIMITED
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Lead Developer of Python, Sqlite3, Netconf, Yang CLI and ZebOS CLI Structure and Transaction Management (Database Management) for ZebOS CLI in the team.</li> <li>• Implementation and Generation of the plug-in for NETCONF, SNMP, CLI, to interact through COMMON MANAGEMENT LAYER up to networking protocol.</li> <li>• Implementation experience of Framework for automation of Unit Testing.</li> <li>• Implemented DATAMODEL for UDLD in XML which used to generate CLI code or YANG code.</li> </ul>