**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  Tools  Programming Languages/  Operating Systems / Platforms / RDBMS | * 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**.   + Wireshark & GDB & Valgrind & Klocwork  + JIRA & Bugzilla  + GIT & CVS & Perforce  + C ,XML , XSD  + Shell & Python Scripting    + Unix, Linux , windows |

# EMPLOYMENT

# HISTORY

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| 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 Janurary 2018 | Aricent – Senior Software Engineer  Complete development life cycle and customer support for QOS & MEF 10.2 within Padtec OTS 12. |

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| 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. |

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| 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

* 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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| Project Title | 6500 Packet Transport System (PTS) |
| Description | PTS addresses the growing need to maintain profitable delivery of TDM services while future-proofing investments toward an all-packet network modernization. |
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| Role | Member of PTS-Data plane development team and owner of Benchmark module. |
| Responsibilities  Company Name | Development for Benchmark features RFC2544 and Y1564.  [CIENA INDIA PVT LTD](https://www.mouthshut.com/product-reviews/Ciena-India-Pvt-Ltd-reviews-925102563). |

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| Project Title | Padtec OTS 12 |
| Description | OTS-12 is new platform of Padtec which supports OTN switching functionality as per ITU-T standard G.709 |

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| Role | Member of OTS-12 development team and owner of QOS module. |
| Responsibilities  Company Name | Development for QOS features on the basis of MEF 10.2.  Aricent Technologies (Holdings) Ltd., |

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| Project Title | Open Computing Network Operating System(OcNOS 1.2- OcNOS 1.3) |
| Description | full-featured network operating system for data center and enterprise networking |
| Role  COMPANY NAME | Member of OcNOS development team and owner of QOS module and python scripts for LINX branch  IP INFUSION PRIVATE LIMITED |
| Responsibilities | * Implemented DATAMODEL for QOS,HQOS and MPLS-TUNNEL in XML which used to generate CLI/SNMP/NETCONF code and YANG code. * Features development for HQOS-policing and scheduling ,COS mapping ,metering,shapping. * Fixed Bugs For QOS,HQOS and MPLS-TUNNEL Protocol. * 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. |

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| Project Title | ZebOS Management Plane Framework(ZebM 1.3 to 1.4) |
| Description | software framework that enables network device vendors to quickly and inexpensively deliver world-class management functionality for their products. |
| Role  COMPANY NAME | Member of ZebM development team and owner of netconf and yang module and python scripts.  IP INFUSION PRIVATE LIIMITED |
| Responsibilities | * Lead Developer of Python, Sqlite3, Netconf, Yang CLI and ZebOS CLI Structure and Transaction Management (Database Management) for ZebOS CLI in the team. * Implementation and Generation of the plug-in for NETCONF, SNMP, CLI, to interact through COMMON MANAGEMENT LAYER up to networking protocol. * Implementation experience of Framework for automation of Unit Testing. * Implemented DATAMODEL for UDLD in XML which used to generate CLI code or YANG code. |