Shubham Mishra premium Featured

Software Engineer,Seeking assignment in Software Development,Application Maintenance,Project Management,C,Python,Linux

Current Designation: Embedded Software Engineer 2A

Current Company: Ciena Corporation

Current Location: Gurgaon

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Total Experience: 4 Year(s) 6 Month(s)

Notice Period: 3 Months

Highest Degree:

Key Skills: Software Engineer,Software Developer,Software Development,Application Maintenance,Project Management,Program Management,Requirement Gathering,Business Analysis,Quality Mgmt,Service Delivery Mgmt,C,Python,MATLAB,DHCP,DNS,SNMP,CLI,Netconf

Verified : **Phone Number |** **Email - id**

Last Active: **Oct-Dec 2020** Last Modified: **Jul-Sep 2020**

Summary

Result-oriented Professional with over 1 years of experience in Software Development,Application Maintenance,Project Management,Program Management,Requirement Gathering,Business Analysis,Quality Mgmt,Service Delivery Mgmt,C, Python,MATLAB

Work Experience

Ciena Corporation as Embedded Software Engineer 2A
Dec 2015 to Till Date

Project: CISCO Scapa OTN (Optical Transport Networks)
Module: Device Drivers, Fault Management, Performance Monitoring,
GCC (General Communication Channel).
Technology: Optical Transport Network.
Operating System: CISCO IOS-XR [Embedded Linux].
Tools: GCC, JAMFILE, CSCOPE, CDETS, PRRQ, CTAGS, GDB, VM-EDITOR, PUTTY.
Automation through Python using PyATS framework

Worked on SNMP, Netconf, Dot1x and Dhcp
Responsibility:
Writing code for checkpoint for different Alarms.
Worked for various Implementations of Utility API?s for OTU/ODU/SONET/SDH controllers alarm handling.
Worked for the implementation of GCC (General Communication Channel) at Driver side on various Line cards.
Implemented GCC by having constant interaction with FPGA.
Finding root causes for different issues found during development testing (DT).
Client interfacing for discussing topology/fix/debugging for test stopper issues and for providing status.
Code review and discussion with PMC for hardware specific API uses.
Automated test cases in Python using PyATS framework.
Expertise in device configuration for PMC PM5450, PM5440 chips and Cortina chip to support SONET, SDH, ETHERNET, OTN client traffic. Implemented debug CLI.
Having hands on tools like JDSU, CTC.
Worked on debug tools like GDB.
Under Standing of SCAPA router.

Education

UG: **B.Tech/B.E. (Electronics/Telecommunication)** from **Jaypee Institute of Information Technology, Noida** in **2015**

PG: **in 0**

Other Qualifications/Certifications/Programs:

NPTEL Certification for Programming and Data Structures

Aricent Certification for Programming in C

Aricent Certification for Automation in Python

IT Skills

Skill Name	Version	Last Used	Experience
C			
GCC, vim-editor, putty			
CDETS, PRRQ.			
ACME			
Tools JDSU and CTC.			
Python automation			
GDB			
VALGRIND			
TCPDUMP			
WIRESHARK			

Languages Known

Language	Proficiency	Read	Write	Speak
Hindi				
English				

Projects

Project Title: **SCAPA OTN(Optical Transport Network) Solutions**
Client: **CISCO inc.**
Nature of Employment: **Full Time** **Duration:** **Dec 2015 - Till Date**
Project Location: **Gurgaon** **Onsite / Offsite:** **Offsite**
Role: **Programmer** **Team Size:** **4**
Skill Used: **Have expertise in C, and knowledge of Linux Programming. * Have over 2 years of rich experience in design, development of OTN . * Proficiency with Linux based debug tools desired GDB, Valgrind and TCPdump. .Designed and implemented APS (Automatic Protection Switching) module and Datapath Modules. * Have good knowledge of HA (High Availability) feature. * Have good knowledge on how different modules like Control Plane, Data Plane , FMPM, GMPLS-TE, RSVP, LMP , OSPF, interacts for OTN network.**
Role Description: *** Worked for various Implementations of Utility API's for OTU/ODU/SONET/SDH controllers alarm handling.**
*** Worked for the implementation of GCC (General Communication Channel) at Driver side on various line cards.**
Project Details: **The Optical Transport Network (OTN), defined by the ITU-T G.709, G798 and G.872 specifications, creates a transparent, hierarchical network designed for use on both Time Division Multiplexed (TDM) and**

Wavelength Switched Optical Network (WSON) devices. It provides an efficient way to carry both next-generation packet services. It is able to provide functionality of transport, multiplexing, switching, management, supervision and survivability of optical channels carrying client signals.

Affirmative Action

Physically Challenged: **No**

Work Authorization

Job Type: **Permanent**

Employment Status: **Full time**