Talluri Chaitanya Babu　⭐ Featured

Having around 3 years experience in DPDK project, C, Linux,L2/L3 Protocol development and Testing

Current Designation: **Software Engineer**

Current Company: **HCL Technologies Ltd**

Current Location: **Chennai**

Pref. Location: **Chennai,Bengaluru / Bangalore,Hyderabad**

Functional Area: **IT Software - Application Programming / Maintenance**

Role: **Software Developer**

Industry: **IT-Software/Software Services**

Marital Status: **Single/unmarried**

Key Skills: DPDK, Linux, C, Routing Protocols, HTTP, SMTP, UDP, TCP/IP, Manual Testing, Regression Testing, Functional Testing, Unit Testing,

Total Experience: **3 Year(s) 0 Month(s)**

Notice Period: **1 Month**

Highest Degree: **B.Tech/B.E. [Electrical]**

Verified :　　Phone Number |　　Email - id

Last Active: 20-Jan-21　　　Last Modified: 20-Jan-21

Summary

Having 3 years of experience in DPDK, C programming and Linux
Experience in DPDK open source package.
Experience in meson build system.
Hands on experience in C Programming Language and advanced data structures.
Hands on experience in Linux System Programming like Multi-Threading, Inter Process Communication (IPC), Socket Programming.
Hands on code coverage analysis using Bullseye, Gcov and Lcov-Coverage tool.
Good understanding in Software Development Life Cycle.
Good knowledge in all stages of Agile methodologies.
To work in a competitive environment that effectively utilizes my analytical, interpersonal, leadership and organizational skills to conceive and achieve solutions. The solutions which help the organization in not only meeting its targets, but also allowing it to grow, thereby, enhancing my own skills as an individual and as a key player in the organization's development.

Work Experience

HCL Technologies Ltd as Software Engineer
Nov 2017 to Till Date

PROJECT# Quick Assist Technology Driver and Silicon & PlatforM Validation

Platform　　　: Linux(Ubuntu, Fedora, centOS and FreeBSD)
Debugging Tool　　: GDB

DESCRIPTION:

　　The Acceleration Hardware & software for Denverton / Lewisburg / Broadwell / Coleto consists of accelerated crypto and data compression services. This software is designed to run on multiple OS's & platforms. There are many combinations of multi-core on the platforms and various SKU's for each, combine this with all the OS flavors equals lots of re-running of tests for various customer releases.

　　Identifying issues in Software factory and analyzing failures.
　　Collecting the report of false positive summary issues

Reproducing failure and re-check manually in local environment.
Feature, Regression testing and defect verification
 Create test XML and perform changes to be usable for test framework.
Actions in resolving vulnerabilities on Test Hosts and Wiki updates.

PROJECT# Intel_DPDK

Protocols   : Intel DPDK package
Platform   : Linux(Ubuntu, Fedora, centOS and FreeBSD)
Debugging Tool   : GDB

DESCRIPTION:

        DPDK is the Data Plane Development Kit that consists of libraries to accelerate packet processing workloads
running on a wide variety of CPU architecture. Designed to run on x86, POWER and ARM processors, it runs mostly in
Linux userland, with a FreeBSD port available for a subset of DPDK features. DPDK is licensed under the Open Source
BSD License. DPDK libraries provide features of receive and send packets within minimum number of cycles, develop fast
packet capture algorithms and supports to run third-party fast path stacks.
Development of meson build system to run DPDK unit test applications..
Enhanced the Cryptodev scheduler UT for multicore, failover and packet size.
Developed unit test application for power management and metrics library.
Enhance the dynamic logging feature for cryptodev, aesni_gcm, kasumi and zuc libraries
Fixed the library issues which was detected by the developed UT application.
Reproducing and fixing bug.
Hands on testing tool like Bullseye-code coverage tool.
Dump analysis and debugging with tools GDB, valgrind.
Providing hotfix for issues in customer running releases.

Education

UG: **B.Tech/B.E. (Electrical)** from **Narasaraopet Engineering College, Guntur** in **2014**

IT Skills

Skill Name	Version	Last Used	Experience
C, Data Structures, Unix, Linux			
Ubuntu, CentOS, Fedora, FreeBSD			
Socket Programming, GDB			
Oracle VM VirtualBox, GIT			

Languages Known

Language	Proficiency	Read	Write	Speak
English				
Telugu				

Affirmative Action

Physically Challenged: No

Work Authorization

Job Type: Permanent / Temporary

Employment Status: Full Time, Part Time