**Surya Prakash Verma**

**Email id :surya.akg09@gmail.com**

**Contact No. : +91- 7838674248**

1. **Excellent coding & debugging skills.**
2. **Sound Knowledge of C,C++and C++11, C++14.**
3. **Knowledge of DataStructure, STL, Smart Pointer,Linux.**
4. **Knowledge of Python, Shell Script.**
5. **Knowledge of GoogleProtobuf, RapidJson.**
6. **Knowledge of Git, Jira, fisheye.**
7. **Development Tools QT4.7.3, Visual Studio 2005/10, Source Insight, GDB,Valgrind,ASAN.**
8. **Knowledge of Multithreading,Socket Programming**,**GUI Development, OpenGL.**
9. **Knowledge of Sip protocol, SQL.**

**Professional Summary**:

I HaveOverall7.2 Year experience going on in IT industry in Software Development.

**Project Detail’s 1:Hughes Systique Corporation**

( Current working since December 2018 )

1. **Project : OneWeb**

**Platform: - C++11, Shell script, linux,TCP/IP,Udp, Python,Protobuf, json.**

Oneweb is a network of more than 650 [low Earth orbit](https://en.wikipedia.org/wiki/Low_Earth_orbit) [satellites](https://en.wikipedia.org/wiki/Miniaturized_satellite#Microsatellites), Its goal is to provide [internet services](https://en.wikipedia.org/wiki/Satellite_internet_constellation) to "everyone, everywhere" delivering much-needed connectivity to rural and remote places as well as to a range of markets.

Currently being built out to provide global [satellite](https://en.wikipedia.org/wiki/Satellite_internet_constellation) [Internet](https://en.wikipedia.org/wiki/Internet) broadband services to people everywhere and is on track to provide global services starting in 2021. The satellites will operate in [circular](https://en.wikipedia.org/wiki/Circular_orbit) [low Earth orbit](https://en.wikipedia.org/wiki/Low_Earth_orbit), transmitting and receiving in the [Ku band](https://en.wikipedia.org/wiki/Ku_band) of the [radio frequency spectrum](https://en.wikipedia.org/wiki/Radio_frequency_spectrum).

**The responsibility includes:-**

A .Working on Middle layer module.

B. Worked on Feature of various functionality to handle alarm, status,file download, reconcilation etc.

C. Working on Enhancement and fixing bug related issues.

D. Done Unit testing as per different functionality.

**Project Detail’s 2:**

1. **Aricent (IOS-XR (CISCO) ):**

**Platform : C, C++,Linux, Python.**

Cisco IOS and IOS-XR (originally Internetwork Operating System) is a family of software used on most Cisco Systems routers and current Cisco network switches. It is a package of routing, switching, internetworking and telecommunications functions integrated into a multitasking operating system.

**The responsibility includes:-**

A .Worked on maintaining the code and resolving issues.

B. Worked on Enhancement of OID (Object Identifier)

C. Worked on fixing bag/ bgen related issues for different CLIs.

D. Done Unit testing as per different use cases.

**b**.**RJIO( RelianceJio )**

**Platform** : C++,C, Linux, Shell Script.

JIO will offer FTTx services to the consumers by providing JIO Home Gateway (HGW). The JIO FTTx services will have High Speed Internet (HSI), JIO Media Applications and JIO Home Voice (JHV) services. JHV provides high quality IP based communication services such as Voice, Video and Messaging on Jio provided Home Gateway.

**The responsibility includes: -**

1. Coding for ICPM(Initialization Configuration Provisioning module) Module.
2. Shell Script Writing for modify the xml file for bring up box.
3. Done testing for SIP call.
4. Worked on identifying memory leak and performance issues using ASAN (Address Sanitizer) .

**c.PIC (Performance intelligence Center):** Client - TEKELEC (Now Overtaken by ORACLE)

**Platform** : C++, STL, Linux, Shell Script.

To develop network mediation platforms for network protocols like IP, MAP, GTP, GPRS, LTE and UMTS and generate xDRs (Extended Detail Record) which contain information like Calling Number, Call Time, IMSI, MSISDN etc. used by applications for Billing and Fraud Detection purposes.Currently working for Oracle France.

**The responsibility includes: -**

**A**. Write Code for xDR and alarm information as per Client’s requirement .

**B**. Done Unit and Integration testing of the Code as per scenario, Successful scenario testing,

Unsuccessful scenario testing.

**Project Detail’s 3: Collabera Technology pvt.ltd.**

**Platform** : **C++** with Linux.(C++ Embedded system)

**1. EnVision: - (Professional Video Camera Domain 8K).**

**Client:- Panasonic**

Professional videocameradevices capable of recording video that can capture 120 fps, 48-bit video.One advantage of high-resolution displays such as 8K is to have each pixel be indistinguishable from another to the human eye from a much closer distance**.**

**The responsibility includes:-**

**A**.Worked on middleware for Panasonic 8k camera.

**B**. Done Unit and Integration testing of the Code as per scenario.

**Project Detail’s 4: S-Curious Research & TechnologiesPvt. Ltd**

**Platform** : C, C++with Linux& Windows**(On Source Insight 3.5 Editing Tool )**

**1. Digital video Broadcasting( DVB-C DOMAIN ) :**

DVB-C Digital Video Broadcasting Cable (DVB) is a suite of internationally accepted open standards for digital television. DVB standards are maintained by the DVB Project.

1. Worked on upper layer of setup box**.**
2. Decoding information of each programme (MPEG).
3. Done unit testing**.**

**Project Detail’s 5: Burl Software Pvt.Ltd( worked as trainee )**

Platform : **C++ on QT 4.7.3** with Linux&Windows ,Socket Programming,

Visual C++,WinMainApplication,OpenGL.

**1. Portable Diver Detection By SONAR (PDDS)**: (On QT 4.7.3 Based)

It will be real time software which will provide a user interface to the operator who is sitting on the ship, where the software will be installed & shows the Diver position in 3D with latitude & longitude with the data coming from the SONAR with respect to the ship. GUI is having spectrogram, tactical view of the ship and diver.

**Scholastics :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree** | **Institute** | **Percentage (%)** | **Year** |
| MCA | AKGEC, Ghaziabad. (GBTU) | 68. | 2009-12 |

**Diploma:**

One and half year **Diploma in Computer Hardware & Networking ( completed in Year-2009)** from **IHT** (Institute Of Hardware Technology ) 418-A Near Ring Road Flyover Bus Stand Azadpur, New Delhi – 110033.

**Strength :**

1. Hard working & flooded with optimistic thoughts.
2. Team spirit & High sense of responsibility with quick learner.
3. Having good planning, problem solving skills.

**Personal Details :**

Father’s Name : Arvind Kumar Verma

Sex : Male

Nationality : Indian

Language Known : English & Hindi

Marital Status : Single

Local Address : Sector – 23,Gurgaon Haryana(122001).

**Signature:**

Surya Prakash Verma