KIRAN KUMAR N P

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CAREEER OBJECTIVE:

To work towards building up a progressive career by striving for excellence in whatever task taken up with an eye on improving professional skills on personal front and contributing to a team.

Professional Experience:

- Good working knowledge on software development life cycle process.

- Experience in Silicon Validation.

- Experience in Firmware Validation, Multimedia and connectivity.

- Professional communication and collaborative abilities.

- Involved in Project Planning Timely upgrading myself to new technologies.

Total Experience:

1. Currently I am working as a Product Engineer at Harman Connected Services (10th May 2017 to till now)
2. Worked as Validation Engineer at eHover Systems India Pvt. Ltd.

TECHNICAL SKILLS:

- **Programming Languages:** C, VLSI, Verilog, VHDL, Python.
- **Development Tools:** Eclipse, Code Blocks, Selenium IDE.
- **Operating System:** XP and Later, Linux.
- **Defect Tracking Tools:** JIRA, Bug host.
- **Basic Computer Skills:** MS Office Word, MS Office Excel, MS Office PowerPoint.

EDUCATIONAL QUALIFICATION:

➢ Master Degree (MTech) in the stream of VLSI Design and Testing (ECE) from BVBCET, Hubli under VTU, Karnataka 2014 with 81.4%.

➢ Bachelor Degree (BE) in the stream of ECE from Don Bosco Institute of Technology (Bengaluru) under VTU, Karnataka in 2012 with 71.42%.

PROJECTS:

Post Silicon validation:

Technologies: Bluetooth, Firmware, Connectivity, Graphics, Embedded testing, Compatibility testing, Driver testing.
Duration: Current project
Client: Intel Technology

Description: We are validating an upcoming platform designed by Intel and validating the windows OS. Here I worked on validating Graphics, Hardware Drivers and other external peripherals related to platform.

CAPTAIN CREEK

Technologies: Firmware Validation, Connectivity, Compatibility testing, Application testing.
Duration: 2 Months
Client: Intel Technology
Description: Captain Creek is an Embedded based project. In this project, we used an embedded device which as different sensors, Bluetooth on it. This device is mainly designed to collect the information of a batsman, with this we can measure the speed, angle of bat and we can collect the data associated with the batsman. The data collected in the Puck can be transferred to the mobile application. In this we can collect the data in online or offline mode, once we collect the data we will synchronize the data with the mobile application.

EHOVER CLIENT
Technologies: HTML, Java Script, Graphics, Multimedia, VGA/HDMI, Bluetooth.
Duration: 7 Months
Description: eHover Client is a web based media streaming application enables you to connect IP Cams running on eHover Server. IP address given by the eHover Server is used to connect the cams in this application. Here we are giving provision for pan tilt zoom to rotate the cams. Along with this we give provision for record schedule configuration and to view the recorded files. In this we have provision to view the cam in FFMPEG, MJPEG, JPEG and H.264 video stream formats by using concerned url's.
Roles & Responsibilities
   ❖ Involved in analysis and design of the project
   ❖ Stood as Project engineer for this project.
   ❖ Involved in complete development and execution of the project.

UNDER VEHICLE SCANNING SYSTEM
Technologies: HTML, IP Search tool, AWS, SQL, WLAN 802.11 (Wi-Fi), Multimedia ,VGA/HDMI, Connectivity.
Duration: 3Months.
Description: The UVSC provides high resolution stitched image of the underside of the vehicles. The three Auxiliary cameras provide for additional view of 'Hard-to-see' areas, in video motion. State-of-the-Art software for user-friendly interaction with the system. The UVSC can be networked to centralized monitoring and database management system.
Roles & Responsibilities
   ❖ Involved in deriving documenting test cases and collecting test data.
   ❖ Stood as Project lead for this project.
   ❖ Involved in complete development and execution of the project.
   ❖ Data driven testing with valid and invalid inputs and database testing.

EHOVER SERVER
Technologies: HTML, IP Camera, IP Search tool, Graphics, Multimedia, LAN.
Duration: 6 Months
Description: eHover Server is a standalone media streaming application enables you to connect IP Cams running around your home or office. It works on much lower processor impact than the main

client app. (it should be able to easily run in the background whilst people work on the same PC). When all cams in a network are connected to the server, it gives the ip address of the server PC alone with cam id count as a url. This url needed to add in the client application.

Roles & Responsibilities
- ❖ Involved in reengineering the present existing system.
- ❖ Involved in analysis and design of the project
- ❖ Stood as a team lead as well as a developer for this project.
- ❖ Involved in complete development and execution of the project.

FIRMWARE TESTING

Technologies: UI Testing, Firmware Validation.
Duration: 2Months.
Description: Firmware talking to software should include a high-level suite of tests that are written against the firmware's interface to the software. Having a test suite Firmware will allow you to quickly identify issues with the hardware in the field. To know the IP camera's firmware version, one is to launch the easy configuration software and find the IP camera. The second one is to login the IP camera's web GUI. Manually test all the base-versions of the firmware and upgrade it to the supporting models.

Roles & Responsibilities
- ❖ Involved in Verification and Validation Testing.
- ❖ Involved in analyzing test requirements.
- ❖ Collecting test metrics and documentation.
- ❖ Involved in complete execution of the project.

SACONA DODGEBALL

Technologies: Raspberry Pi, Python, UI testing, Functional Validation, System Validation, System Integration, Application testing.
Duration: 8 Months.
Description: Dodgeball is an embedded game integrated with a mechanical system. Mechanical system is controlled by a standalone system application developed in raspberry pi. GUI is developed to login a user into a system and to select a different level of game.

Roles & Responsibilities
- ❖ Involved in Verification and Validation Testing.
- ❖ Involved in deriving documenting test cases and collecting test data.
- ❖ Stood as Project lead for this project.
- ❖ Involved in complete development and execution of the project.

PERSONAL PROFILE:

Date of Birth	: 21-June-1990.
Father's Name	: Nagarakatte Parameswarappa.
Permanent Address	: #332, Anaji, Davanagere-577512.
Marital Status	: Single.
Languages Known	: English, Kannada, Hindi and Telugu.

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Bangalore

Date: **KIRAN KUMAR N P**