

SUBHANGINI V

#49, SRI LAKSHMI VENKATESHWARA NILAYA • 1ST CROSS • VEMANNA LAYOUT

• DODDABOMMASANDRA • BANGALORE-97

Ph: +91-9894428327 subhamadhu02@gmail.com

Professional Profile:

- **Hardware Testing Professional** with **2 year 6 months** of experience at different stages of testing **Electronic Warfare System LRUs and Embedded Hardware used in the Electronic Voting Machine**. I am currently employed with Bharat Electronics, where I am responsible for testing of RF modules used in Satellite Systems and communication system of Indian Defence system.
- **Motivated achiever** with Two year Six months of experience in understanding client's needs especially in embedded hardware testing, worked in the DRDO and interacted with scientists & different team members to arrive at a globally acceptable product solution.

Key Skills:

- Hands on Experience in MIL1553B BUS interfaces.
- Application Programming – Matlab, C, Labview.
- Experience in Handling Functional Test Procedure (FTP), Qualification Test Procedure (QTP)
- Doing the Documentation as part of the testing like ATR, FTR preparation.
- Hands on Experience in Mass production of various electronics modules manufactured for the EVM.
- Having experience working in customized embedded Linux.
- SWITCHING- Configuration of VLAN, Inter-VLAN routing.

Technical Experience: Familiar with a vast array of programming languages, concepts and technologies, including, but not limited to

- **High Level Languages:** Matlab.
- **OS:** MS-DOS, LINUX.
- **Communication Standards:** RS232, RS485, MIL STD 1553B.
- **Virtual Instrumentation Tools:** Labview

Education:

- VSB Engineering College, Karur. B.E in Electronics and Communication with CGPA of 7.4, June 2018.

Overall Work Experience:

- Working as Trainee Engineer in Bharat Electronics Ltd, Bangalore (Jan 2023 to till date).
- Worked as Quality Assurance Engineer in Quest, Bangalore (Worked in Client location CASDIC, DRDO, Bangalore (Jan 2022 to Jan 2023)).

Professional Profile:

Project Summary#1- Electronic warfare system testing in the Rig

Team Size: 6.

Role: EW System testing with Software.

Duration: 1 Year.

Tools: Monitor, Dynamic Threat Simulator, Avionics Mudbugs Simulator.

Responsibilities:

- ✓ EW System LRUs standalone mode testing
- ✓ EW system Integrated mode testing
- ✓ Threat Library creation, Antenna pattern creation, Static profile creation and evaluation using the Dynamic Threat Simulator
- ✓ Dynamic scenario generation, Event definition and analysis for the scenario using the Dynamic Threat Simulator

Projects Summary #2 – Mass manufacturing Testing

Team Size: 3.

Role: Hardware Testing.

Duration: 8 months

Tools: TRNG, CAS.

Responsibilities:

- ✓ Sensor Testing
- ✓ Module Level testing
- ✓ Final Assembly and Testing
- ✓ ESS Testing for the EVM
- ✓ EMI/EMC for the EVM

Projects Summary #3 – CommunicationTesting

Team Size :8

Role :Hardware Testing

Duration : 6 months

Responsibilities:

- ✓ Testing, Configuration of Communication Systems like MPIO,CTP, Gateway Switches, Access Switches as per the project design.
- ✓ Having Basic Knowledge of WLAN devices(WLAN Security switch, WLAN Access point) for wireless communication.
- ✓ Remote Administration of Linux server using SSH, Telnet.
- ✓ Having knowledge of Network Security, Port Security
- ✓ Collaborated on Electrical offering w.r.t approved ATP,FATS for customer like COAE and Indian Navy,support for integration of DSV-VCS.

Roles & Responsibility:

- Handling System level Testing & Integration along with the Development Team.
- Production testing Line In-charge for the mass manufacturing of the various electronic assembly.
- Good team player.

Personal Details:

- Fathers name - Vellai Durai K

- Date of Birth - 02/09/1996.
- Passport No - R7403988
- Languages Known - English, Kannada and Tamil.
- Present address - #49, Sri Lakshmi Venkateshwara Nilaya,
1st Cross, Vemanna Layout,
DoddabomaSandra,
VidyaranyaPura Post,
Bangalore-97.
- Permanent address - Manaparai, Trichy.
Tamil Nadu-621306.

Date:

Place: Bangalore

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