**Resume**

**Yogesh Shivaji Bhagat**

**Mobile** : +91 9096404629 / 8668801895

**Email Id**: [bhagat25yogesh@gmail.com](mailto:bhagat25yogesh@gmail.com)

***OBJECTIVE:***

Seeking a challenging position in a well-reputed organization where I can invest my innovative ideas, analytical skills and operational expertise to gain knowledge, pertinent experience and work efficiency thereby contributing to the organization’s profitable growth.

***PERSONAL DETAILS:***

* **Gender**: Male.
* **Date of Birth:** 12th Dec 1985
* **Permanent Address:** At – Ghorpadwadi, Tal **-** Indapur, Dist – Pune, Pin – 413114.
* **Local Address:** Sr.No - 64, Fl No – 01, Shivtirth Apt, Vadgaon Bk. Pune - 411041.
* **Nationality:** Indian
* **Marital status:** Unmarried

***EDUCATIONAL QUALIFICATIONS:***

* M.Sc. in Electronics (2010) from Pune University with 61%.
* B.Sc. in Electronics (2008) from Pune University with 64.21%.
* 10+2 with Maths, (2003) from K.B.V.P. Satara with 58.83%
* High School (2000) from K.B.V.P. Satara with 65.20%

***EXPERIENCE SUMMARY:***

* 7 years of work experience in the domain of Manual complete System Level Testing and Embedded Hardware and Software Testing.
* Expertise in Manual Testing / Android Mobile applications testing, Access control Systems.
* Good knowledge of HDLC, STLC, SDLC and Bug life cycle & Overview of Agile (SCRUM) Methodology. Functional, GUI, HMI and System level Performance testing.
* HIL – Involve in HIL testing using ETAS system.
* Experience in manual testing includes : Functional testing, Regression testing, Smoke testing, Sanity testing, Black box and White box testing, Ad-Hoc Testing, Bug verification of Embedded (Automation – PLC / DCS) and Consumer devices.
* Experience in embedded firmware development side testing : Unit Testing, Integration Testing
* Test management using IBM DOORS Tool includes QM,RM,CCM (Change & Configuration Management) & complete traceability matrix. Follow V & V Software process – Traceability Model, Follow test cases design techniques to write test cases.
* Proficient in designing verification & validation protocols & reports, brainstorming in Low level & High level design documents creation.
* Responsible for complete Systems requirements and verification document including all domains (Software, Electrical, Hardware).
* Well versed in analysis of System Requirement Specifications, Business Requirements Specifications, Software requirements and User requirements.
* Gathering detailed business and technical requirements from client, analysis and mapping to relevant test procedures.
* Delivering demos to client & had an interactions with the system integrator team for domestic and overseas Clients.
* Good communication skills with an ability to learn new technologies quickly.
* Good team member and has ability to work co-operatively across development team, requirement analyst team, quality and regulatory team and other project support teams as well.

**ACADEMIC PROJECT DETAILS :**

* M. Sc. project :- “Surveillance Robot using AVR”.
* B. Sc. project:- “Robotic ARM using 8051”

**AREA OF INTEREST :**

* Especially in the field of Embedded Systems.
* **Business Domain**: Banking, pharma, Warehouses, Apartments, Malls Security, Monitoring & Access Control Systems.
* **Consumer Domain**: Microwave/Oven, Dishwasher, Refrigerator.
* **Automation (PLD/DCS)**: Control Systems, SCADA Systems.

**TRAINING & CERTIFICATIONS :**

* PCB design using PAD software 3 month certificate course.

* Industrial Automation (PLC/DCS) 6 month certificate course.

**EXTRA CURRICULAR ACTIVITIES :**

* Played Kabaddi at taluka level as Captain.
* Participated in Avishkar Academic Project competition.

***WORK EXPERIENCE SUMMARY :***

* **Company : Whirlpool of India Ltd. (Current Company)**

Job Title : Sr. Software (Embedded) Tester

Department : (R&D)

Date Posted : 16th October 2017 to till date

* **Company : Smart I Electronics Systems Pvt. Ltd.**

Job Title : Embedded Tester (Hardware & Software)

Department : (R&D)

Date Posted : 21st April 2017 to 15th October 2017 (6 Months)

* **Company : Allied Engineering Services**

Job Title : Embedded Tester (Hardware & Software) (Team Leader – Team of 3)

Department : Production/Service

Date Posted : 1st April 2016 to 30th March 2017 (1 Year)

* **Company : Micro verse Automation Pvt. Ltd.**

Job Title : Embedded Tester (Hardware & Software) (Team Leader – Team of 3)

Department : Production/Service

Date Posted : 9 th May 2011 to 31st March 2016 (5 years)

***PROJECT DETAILS:***

|  |  |
| --- | --- |
| **Project 1** | **Audio & Video Monitoring System** |
| **Client** | Vritti Solutions (Pune) |
| **Duration** | |  | | --- | | (June 2011 to November 2011) | |  | |
| **Team size** | 3 |
| **Tools and Instruments** | Mentis BT,  DMM. DSO, Function generator, Amplifier, Mike, DSO. |
| **Project Description** | The Microcontroller (89C2051) based system used to monitor & control the audio, Similarly the video monitoring system which is implemented using I2C interface used to monitor & control the video signal ON/OFF.Project scope involved feature enhancement, developing some new  features testing and defect fixing |
| **Responsibility** | - Understood Software and System requirement specification.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing.  - BOM creation, Prepare FAT, SAT, Commissioning, Installation. |

|  |  |
| --- | --- |
| **Project 2** | **Weighing Scale** |
| **Client** | RENFRO Ind Ltd. (Pune/Nashik) |
| **Duration** | |  | | --- | | (June 2011 to September 2011) | |  | |
| **Team size** | 2 |
| **Tools** | Mentis BT |
| **Project Description** | The system used to measure the quantity of material under Production & transmit the data to specified location using Wi-Fi device with printing & Scanning Facility. Peripherals included – 3Kg & 30Kg Load Cells, Printer, Scanner, Wi-Fi Module, 2 RS232 ports. |
| **Responsibility** | - Testing Hardware, Load Cell Calibration.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, Installation& Commissioning. |

|  |  |
| --- | --- |
| **Project 3** | **Audio Amplifier & Signal Isolators** |
| **Client** | Apcotex Ind. Ltd.(Mumbai), HWPM (Manuguru), |
| **Duration** | |  | | --- | | (December 2011 – September 2012) | |  | |
| **Team size** | 3 |
| **Tools** | Mentis BT |
| **Project Description** | **Audio Amplifier –** Testing for DCS system. Peripherals included – 1 Line Receiver hardware, 1 Amplifier hardware, 1 Line Driver hardware, Speaker at output.  **Signal Isolators -** Supply- 24V DC, Input Signal for RTD – Temperature / Resistance & Output is 4-20mA. TC accepts mV Signals as Input & provides 4-20mA Output. |
| **Responsibility** | - Hardware Testing, MS Word.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, Installation& Commissioning. |

|  |  |
| --- | --- |
| **Project 4** | **Cell Voltage Monitoring System** [November 2016 – Feb17] |
| **Client** | HZL(Gujarat) |
| **Duration** | |  | | --- | | (November 2012 – December 2014) | |  | |
| **Team size** | 4 |
| **Tools** | Mentis BT |
| **Project Description** | Monitoring of cell Voltage by using SCADA with RS485 communication standard. SCADA: PSCOPE |
| **Responsibility** | - PCB Assembly & Hardware Testing, MS Word.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, test case design, Installation& Commissioning. |

|  |  |
| --- | --- |
| **Project 5** | **3200ET Controller & Aio, Dio Modules (DCS System)** |
| **Client** | Apcotex Ind. Ltd.(Mumbai), HWPM (Manuguru), Oman. |
| **Duration** | |  | | --- | | 5 Months (February 2015 – March 2017) | |  | |
| **Team size** | 4  Protocol – CAN, I2C, UART. |
| **Tools** | Mentis BT |
| **Project Description** | Co-ordinate with Hardware & Software Design Team, Prepare test cases for Signal testing (i.e Tx & Rx Signal test), aware of CAN, TCP/IP, UDP, FTP Networking Protocols. |
| **Responsibility** | - Hardware Testing, MS Word.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, test case design. |

|  |  |
| --- | --- |
| **Project 6** | **Water ATM** |
| **Client** | Government of India. |
| **Duration** | |  | | --- | | (April 2017 – May 2017) | |  | |
| **Team size** | 1 |
| **Tools** | Mentis BT |
| **Project Description** | Water ATMs are automated water dispensing units, it provide communities with 24/7 safe water access. They are solar powered & cloud connected thus enabling remote tracking of the water quality of each pay per transaction. |
| **Responsibility** | - Hardware Testing, MS Word.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, test case design.  - Complete Ownership for project testing |

|  |  |
| --- | --- |
| **Project 7** | **ATM panel testing** |
| **Client** | NA |
| **Duration** | |  | | --- | | (June 2017 – July 2017) | |  | |
| **Team size** | 1 |
| **Tools** | Mentis BT |
| **Project Description** | The integrated ATM alarm panel with centralized monitoring software, Protocol used TCP/IP & UDP. |
| **Responsibility** | - Hardware Testing, MS Word.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, test case design.  - Complete Ownership for project testing |

|  |  |
| --- | --- |
| **Project 8** | **(Digital Video recorder Testing ):-** |
| **Client** | NA |
| **Duration** | |  | | --- | | (August 2017 – October 2017) | |  | |
| **Team size** | 1 |
| **Tools** | Mentis BT |
| **Project Description** | The device which records the live videos and gives details on ARM device through TCP/IP protocol. |
| **Responsibility** | - Hardware Testing, MS Word.  - Designed test cases as per requirement specifications  - Functional testing, Bug verification, regression testing, Sanity testing, Smoke testing, test case design. |

|  |  |
| --- | --- |
| **Project 9** | **Phoenix / Midi / Sauna G3EVO (Consumer Domain)** |
| **Client** | Whirlpool Corporation (Europe Region-Itly) |
| **Duration** | 5 Months (Nov 2017 to March 2018)   |  | | --- | |  | |  | |
| **Team size** | 4 |
| **Tools** | IBM Tool (CCM or CLM for logging a defect /Requirements Management/TSER execution)  Controller -Renesas Controller |
| **Project Description** | Verification & Validation of different variants like BIO(Steam & non steam)/Phoenix/Sauna/Midi. For G3EVO Oven8- BIO/Microwave Phoenix/Sauna. |
| **Responsibility** | - Validation of communication Interface Document from System integrator with the help of cooking & configuration player tool  - Checking of different scenarios like cook time, temp, Auto/Manual cooking cycles behavior & response time with the help of High level & Low level design document provided by Food Science Lab  - Understood requirements & modified it as per change requirement request.  - System level testing (ACU+HMI) using the latest released build & CP/ Config Files.  -Worked on Wide/WIN protocol for observing almost all the functional parameters, load management ,start cmd etc.  - Responsible for attending the meetings with SI & discuss the issues/queries.  - Follow V & V Software Process – Traceability Model |

|  |  |
| --- | --- |
| **Project** | **MHC (Microwave Hood Combination)** |
| **Client** | Whirlpool Corporation (Region - China) |
| **Duration** | |  | | --- | | 3 Months (April 2018 to Till date) | |  | |
| **Team size** | 4 |
| **Tools** | IBM Tool (CCM or CLM for logging a defect /Requirements Management/TSER execution)  Controller -Renesas Controller |
| **Project Description** | Verification & Validation of different variants like BIO(Steam & non steam)/Phoenix/Sauna/Midi. For G3EVO Oven8- BIO/Microwave Phoenix/Sauna. |
| **Responsibility** | - Validation of communication Interface Document from System integrator with the help of cooking & configuration player tool  - Checking of different scenarios like cook time, temp, Auto/Manual cooking cycles behavior & response time with the help of High level & Low level design document provided by Food Science Lab  - Understood requirements & modified it as per change requirement request.  - System level testing (ACU+HMI) using the latest released build & CP/ Config Files.  -Worked on Wide/WIN protocol for observing almost all the functional parameters, load management ,start cmd etc.  - Responsible for attending the meetings with SI & discuss the issues/queries.  - Follow V & V Software Process – Traceability Model |

***TECHNICAL SKILL SET:***

* **Programming** **Languages**: Basic C, Python Beginner.
* **Operating Systems**: Windows XP, 8, 10 and Linux (Ubuntu)
* **Tools & Technologies**: Dock light, DS manager.Eagle7.1, PADS, MS-Office10, Keil C51
* IDE for 8051 and ARM Microcontrollers. DMM, Oscilloscope, Function generator.
* Bug Tacking Tools: Mantis, Odoo.
* Test Management Tool – IBM DOORS
* Functional, GUI, HMI, Regression Testing, Experience in test case writing and execution.
* Experience of communication interfaces like RS232, RS485, SPI, I2C,CAN.
* Test Management Tools: ATM 1.7, Access 5.1.
* Exposure to MATLAB – SIMULINK tool. Expertise in Manual Testing/ Android Mobile applications.
* Writing System Requirement Specification(SysRS), Software Requirement Specifications(SRS).
* Software Design Document (SDD), Failure Mode Effect Analysis (FMEA) & Design Failure Mode Effect Analysis (DFMEA)

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

**Place: Pune (Yogesh s. bhagat)**