Srinivasan V

Automation Software Engineer, 6+ years experience
Cheenai, India
https://augmntx.com/profile/automation-software-engineer-srinivasan-v/axo24743

AugmntX
+91 9820045154 | hr@augmntx.com

Personal Information Date of Birth : 17, December 1994. Gender : Male Nationality : Indian Passport No : Z6040303 Current Location : Chennai, India.Address: 447V+CVQ, Gandhi Nagar, Ambattur, Chennai, Tamil Nadu 600053, India.

INDUSTRIES: IT services

TECHNICAL SKILLS

• Python	6 years & 8 months
• Pytest	6 years & 8 months
• Troubleshoot	6 years & 8 months
• Automation Testing	6 years & 6 months
• Jenkins	3 years & 1 months
• Github	3 years & 1 months

PROJECT DETAILS

• OMICRON June-2018 - March-2019

Project Description: ESR measurements using omicron BODE analzyer Impedance measurement Providing Technical support to our customers Providing training to the leading companies like Qualcomm(chennai), ISRO(Bangalore). Amphenol(pune), BHEL(chennai), VALEO(chennai), Vedang Radio Technology(mumbai), Continental(Bangalore), ROSSELLTECHSYS(Bangalore), CYPRESS semiconductor(Bangalore), ECIL(Hyderabad), Logic care systems(Pune). Providing training to the educational institution like MIT, ST. Thomas college(Thrissur).

Responsibilities: Developed automation tests for existing manual setups. Provided technical support for anechoic chamber installation and interference testing. Managed ordering of testing equipment from OEMs and installed test rack setups. Conducted RF interference testing and RF board testing. Provided technical support for RF measurements. Managed RF cable and connector distribution.

Technologies: MATLAB PYTHON LABVIEW TESTSTAND AUTOMATION TEST DEVELOPMENT SIGNAL ANALYZER SIGNAL GENERTAOR VECTOR NETWORK ANALYZER OSCILLOSCOPE(DSO,MSO) JENKINS GITLAB

Industry: IT services

• Signal Hound April-2019 - December-2020

Project Description: Installation of labview drivers for measuring instruments Creating VI and front panel for RF measurements Generating a PDF, CSV, S1P and S2P files Testing of active and passive RF filters Testing of PCB antenna Working knowledge of RF measurement techniques such as Noise Figure, ACPR, Jitter, Phase noise, ESR measurements Providing Technical support to our customers Providing training to the leading companies like Qualcomm(chennai), ISRO(Bangalore). Amphenol(pune), BHEL(chennai), VALEO(chennai), Vedang Radio Technology(mumbai), Continental(Bangalore), ROSSELLTECHSYS(Bangalore), CYPRESS semiconductor(Bangalore), ECIL(Hyderabad), Logic care systems(Pune). Providing training to the educational institution like MIT, ST. Thomas college(Thrissur).

Responsibilities: Operated Keysight Vector Network Analyzers (E5071C, E5061B), impedance analyzers (E4990A), and signal generators (N5172B, N5166B) for RF testing. Utilized Keysight Signal Analyzers (N9000B, N9010B, N9020B) and EMI receivers (N9038A) for CISPR and MIL standards compliance testing. Automated testing processes using Keysight TAP software. Provided support and training to leading companies like Sanmina, Amphenol, Saint Gobain, HCL, etc. Plotted transmitter and receiver characteristics using SystemVue software. Performed RF scattering parameter measurements and signal integrity analysis with LabVIEW and TDR tools. Conducted signal integrity testing for PCB, RF cables, and LAN cables, including eye diagram plotting and time delay measurements. Measured power sweep harmonics and amplifier characteristics using VNA. Performed antenna radiation pattern measurements (e.g., half-power beamwidth, antenna gain) in anechoic chambers using Keysight VNA. Conducted radiated emission tests and vector demodulation analysis (e.g., QPSK, BPSK, QAM) using signal analyzers. Measured EMF and RF power with triaxial antennas and signal analyzers. Performed high-frequency inductance, capacitance, and resistance measurements, as well as group delay and impedance measurements. Conducted embedding and de-embedding of S-parameter files. Demonstrated operation of SNA, VNA, SG, and impedance analyzer equipment. Generated 5G, LTE, and MIMO signals using Signal Studio and Keysight signal generators. Provided training and technical discussions for

Technologies: MATLAB PYTHON LABVIEW TESTSTAND AUTOMATION TEST DEVELOPMENT SIGNAL ANALYZER SIGNAL GENERTAOR VECTOR NETWORK ANALYZER OSCILLOSCOPE(DSO,MSO) JENKINS

Industry: IT services

EMPLOYMENT HISTORY

• Software test specialist January-2023 - December-2024

Description: platform(OSP), RF Power sensor, Jazz, Virtual box, PowerIQ, Regression testing. Role:Need to develop and adapt the existing tests using python and integrate in the Jenkins pipeline Description: Need to debug the failures in the regression and release testing of signal generators. Validation of API and functional testing of Signal generator using python. Common System testing of signal generators. Protection and security testing of Signal generators. File transfer and firmware installation testing. Developed the success rate calculation of Jenkins pipeline jobs from the Node Load monitoring data of Jenkins.

• Automation test engineer January-2021 - December-2022

Tessolve semicondutor GMBH

Description: Hardware: Barrracuda board(3TX, 4 RX) RF front end Role: Need to run the given test condition in automation environment using the provided use case Description: Need to validate the API sequence and the customer use case using labview and python Need to build the setup for intermodulation at different temperature and different use case inside the oven and the thermal steam Current consumption measurement at the RF front end module Need to check the TX calibration, Rx calibration. Set the TX and RX at 50 percent duty cycle for the average current measuring using different chirp profile and dynamic update of the parameters. Phase noise measurement of the transmitter using FSW TX Spur measurement around the carrier and need to automate the measurement using SCPI recorder in FSW.

• RF application engineer April-2019 - December-2020

Elmack Engg services

Description: RF scattering parameters measurements using labview. Signal integrity analysis using TDR and enhanced TDR Measuning signal integrity in PCB, RF cable and LAN cables Plotting EYE diagram. Measuirng time delay of RF cables using TDR . power sweep Harmonics measurement of amplifier using VNA Antenna, radiation pattern measurements like Half power beam width, antena gain, . Radiated emission measurements using EMI receiver or signal analyzer in the anechoic chamber and ETS lindgren Vector demodulation analysis of digital signals Constellation plot and Error vector magnitude of QPSK,BPSK, 16AQM, 32 QAM, 64QAM,128QAM, FSK FSK demodulation of tire pressure monitor system. EMF measurement using triaxial antenna RF power measurements using power meter and signal analyzer Measuring inductance, capacitance and resistance at high frequency range Group delay measurements Characteristic impedance measurement Embedding and de-embedding of S- Parameter files. Demonstration of a SNA, VNA, SG and Impedance analyzer equipments Antenna radiation pattern measurement using ETS lindgren and keysight Vector network analyzer in the anechoic chamber. Generation of 5G, LTE, MIMO signals using signal studio software and keysight signal generator Providing tarining and technical discussion to Indian nippon electrical limited, Saint gobin, DYSL(DRDO Young scientist laboratory), SAMEER chennai, HCL madurai, amphenol chennai, IIITDM, Sanmina-oragadam,VIT chennai, VIT vellore, PSG, NIT trichy, NIT pondicherry, NIT karaikal

• Automation Testing consultant June-2018 - March-2019

Digital Network solutions

Description: Automation test developer for the existing manual setup. Technical support for anechoic chamber installation and interference testing. ordering the testing equipment from the OEM and install the test rack setup. RF interference testing, RF board testing. Technical support regarding RF measurements. RF cables and connector distribution. RF cable production support.

EDUCATION

• Bachelors degree in B.Tech from Velammal Institute of Technology, Chennai 2013 - 2016

LANGUAGES

• English - native

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