CORE COMPETENCIES

- **Quality Assurance (QA)**
- **Software Delivery & Test Strategy**
- **Function testing**
- **Regression testing**
- **Smoke, Sanity testing.**
- **Telecom Product Testing**
- **Electronics Product Testing**
- **Automation Testing**
- **Test Case Design & Execution**
- **Regression & Smoke Testing**
- **Defect Lifecycle Management**
- **UAT & Production Support**
- **UML Diagrams & RTM**
- **RCA, Impact Analysis & Estimations**
- **Client Coordination & UAT Support**
- **Sprint Ceremonies, Agile & Scrum**
- **Mobile Backup, VOIP, Telemetry, L2VPN, Speed Test**
- **Customer-Facing Issue Resolution**
- **Streamlined software delivery by automating testing and deployment via CI/CD pipelines.**
- **Cross-functional Team Collaboration**

SOFT SKILLS

- **Decision-Maker**
- **Effective Communicator**
- **Innovative Problem-Solver**
- **Time Management**
- **Liaison & Coordination Skills**
- **Team Management & Leadership**

ACADEMIC DETAILS

- 2005: **B.E in Electronics & Communication Engineering** Visveswaraya Technological University, 65.3%

PERSONAL DETAILS

- Date of Birth: 22/08/1981
- Address: Bengaluru

BASLINGAPPA BHUJANG

Network Protocols QA Engineer | Broadband Engineering
✉ *baslingappabhujang@gmail.com | ✆ +91-9972832539 |*
LinkedIn

*Competent Technology Savvy-Software Quality Assurance & Testing Professional with **demonstrated expertise in Automation & Functional Testing of Telecom & Electronics Products for global brands***

PROFILE SUMMARY

Having around 12+ years of experience as a CPE Test lead with extensive experience in testing and validating CPE and Telecom products, including modules like DOCSIS, GPON, TR69, Mobile Backup,Wi-Fi, L2VPN, WLAN, DHCP, DNS, VOIP, SIPP, TR69, Call features, Throughput, Telemetry, and Speed Test Modules. Proven expertise in the full Software Testing Lifecycle (STLC) from requirement gathering, test case design, and execution to automation scripting and defect management. Adept at tools such as JIRA, ALM, and in-house automation frameworks like DATE/BATS. Recognized for automating critical features, identifying and resolving production issues, and leading QA efforts across Agile sprints. Known for delivering high-quality, customer-ready solutions to telecom leaders like AT&T, COMCAST, NBN, DTAG, Nuuday, Vodafone, Frontier, TELUS Vodafone, while consistently exceeding service-level expectations and earning accolades like Star Awards, Spot Awards, and Best Performance Awards.

TECHNICAL SKILLS

♦	Operating System:	Linux, Windows
♦	Languages:	Python
♦	Broadband:	DSL/DSLAM/GPON/DOCSIS, E6000
♦	Networking Protocols:	VOIP, SIP, RTP, RTCP, DHCP, DNS, OSPF 802.11 a/b/g/n/ac/ax/be, WPA2/WPA3 OFDMA, Beamforming, E6000, TCP,UDP, E6000, Cable CMTS, SNMP, TR69, PPP, PPPoE CWMP, VXLAN, 802.1Q, 802.1ad,ARP
♦	WLAN:	**Wi-Fi 5, Wi-Fi6, 802.11 standards**,
♦	Management Interfaces:	CLI, REST-API, CI/CD,
♦	Traffic generator:	IXIA, IPERF, Spirent test center
♦	Tools:	Wireshark, IXIA, Agilent, Filezilla, FTP, Putty, XShell, NGAPD Tool (TR181 Parameter Validation), **Incognito,** DHCP, 3CDaemon TFTP, MG Soft MIB browser (SNMP), Cisco Packet Tracer, DATE, Advent, Abacus, SAGE, SIPP, **Candella**, CMTS, GIT, JIRA, CMTS, TCPdump, confluence.
♦	App servers:	ECO, Amerisoft(LTE simulator), Asterisk,
♦	Extenders:	Airties
♦	PBX Products:	CUCM (Classic), BE3K, CS1K, BCM, SCS, ECS, IPoffice, Asterix
♦	IP Phones:	Polycom IP Phones, Cisco IP Phones, LG IP
♦	Gateways:	Cisco 2900 Series, Cisco 3845 Gateways, SPA 8800, Audio Codes Gateways

KEY ACHIEVEMENTS

- **Managed complete STLC lifecycle**, including test estimation, requirement traceability (RTM), impact analysis, and regression testing, resulting in **95%+ test coverage** and faster issue resolution.
- Meticulously i**dentified and resolved live production issues**, performing RCA and implementing corrective measures that **reduced ticket recurrence by 30%**
- Worked extensively with tools like **Jira, ALM, and Top Team** for requirements tracking & updates, improving test traceability & collaboration.
- Developed automation for the First Speed Test Feature, streamlining feature validation and earning recognition through multiple internal accolades such as the **Star Award, Best Performance Award, and Spot Award**.

EMPLOYMENT NARRATIVE

ARRIS GROUP INDIA PVT LTD (Formerly: Motorola, CommScope, Vantiva) | Jun 2013 – April 2025| Staff Software Engineer

Products:
- **DTA/DTZ/DTZ Cable Modems: Deutsche Telekom**
- **TM9200, TM8200,E6000 : Comcast, NBN**
- **NVG558HX, ECO, NVG558HLX: Verizon**
- **PACE 5268, NVG589, NVG599, NVG510, NVG448BQ AT&T FRONTIER, SASKTEL**

Highlights:

- Experienced CPE Test engineer with 12+ years of experience on CPE related HW and SW testing (Automation and Manual).
- Expertise in Working on **DOCSIS , XGS-PON and NG-PON** Broadband Network systems.
- Experience in performing AWS Cloud platform testing and reporting and triaging the issues related to Plume cloud specifically related to Channel Optimization, Band Steering, Client Steering on troubleshooting and triaging AWS cloud platform issues.
- Having experience on working with Cisco Switches (Cisco 2960 Model) and Routers
- Leading 8 members offshore team to triage the issues on DOCSIS, DSL, Ethernet, PON based CPE's
- Experience in performing OMCI protocol data validations using tracespan Setup for XGS-PON based CPEs.
- Managing OLTs (Optical Line Terminations) and multiple ONU's with different line profile and service profile
- Experience in Wi-Fi testing
- Expertise in Writing and maintaining the Automation test scripts for software testing which includes Sanity, Smoke, Functionality, performance, scalability, stability and Regression testing of the software.
- Holding 5+ experience on **Automation testing using Python, DATE/BATS Framework for feature speedtest.**
- **Automated VOIP feature** testing using Abacus test tools.
- Streamlined software delivery by **automating testing and deployment** via CI/CD pipelines.
- **Successfully automated ACS(Automated configuration server) features** using API's in SOAP UI framework with ECO (ACS) server, enhancing automated testing capabilities and improving efficiency in device configuration and management workflows.
- Having a test experience of validating various Wi-Fi features which includes 802.11 b, g, n, a, ac, and ax Wi-Fi standards using Spectrum Analyzer and Octoscope environments and Security modes and Performance validation.
- Owned and executed comprehensive testing of key modules including **DHCP, DNS, VOIP, SIPP, TR-69, TR-181**, call features, Throughput, Firewall **Telemetry, Mobile Backup, L2VPN, Speed Test ,QOS, and VOIP** failures ensuring product reliability and adherence to technical standards.
- Configured OSPF with multiple areas and verified LSDB sync.
- Simulated link failure and observed OSPF convergence time.
- Verified route propagation and loop prevention mechanisms.
- Performed functional and negative testing of Layer 2 protocols including **STP, RSTP, VLAN, LLDP, and LACP**
- Validated **MAC learning, aging, flooding**, and filtering behaviours in both access and trunk ports
- Simulated link failures to verify Spanning Tree Protocol convergence and loop prevention mechanisms
- Captured and analysed Ethernet frames using Wireshark to verify **LLDP TLVs and VLAN tags (802.1Q)**
- Published and maintained detailed **Confluence documentation** for each test cycle, including test start summaries and sprint-end reports, improving cross-functional communication.
- Ran **automated test suites & analysed error patterns**, identifying root causes and driving continuous improvement in collaboration with development teams..
- Designed and written the Automation test scrips in Python for NGAPD tool an internal automation tool for TR-69/TR-181 parameter verification, streamlining the validation process and reducing manual effort by 80%.
- Designed and executed **test cases** for NGAPD, an internal automation tool for TR-69/TR-181 parameter verification, streamlining the validation process and **reducing manual effort by 20%.**
- Created and maintained Confluence documentation for each test cycle, increasing team alignment and reducing test setup time by 25% through clear visibility on test initiation and coverage.
- Generated and submitted Verification Estimates **(VEs)** for each test cycle with over **95% accuracy**, enabling better sprint planning and resource allocation.

Oct'12 – May'13 | Wipro India Pvt. Ltd. | Bengaluru | Quality Analyst
Products: BE3K,Avaya IP office, BCM :Avaya,CISCO, Nortel
Highlights:

- Successfully contributed to the development and implementation of execution **call features** on IP PBX, enhancing system functionality and improving user communication capabilities.
- Proactively identified, reported, and verified critical bugs, ensuring higher **software reliability** & contributing to **smoother product releases** with **minimal post-deployment issues**.