

Sekhar M

Dallas, TX - Email me on Indeed: [indeed.com/r/Sekhar-M/1be0e2171fa1eb62](https://www.indeed.com/r/Sekhar-M/1be0e2171fa1eb62)

WORK EXPERIENCE

Software Developer

verizon - Dallas, TX - July 2015 to Present

- Having 9+ Years of diversified experience as a Software Tester/QA/Software Test Engineer of analyzing, designing, Testing of windows, web and mobile-based applications. Has extensive experience in Full - cycle Testing.
- Experience in Verizon IPTV Network and STB's (set top box), WIFI, Telecom, Retail, Service & Business development, Government & Defense.
- Experience working on Scrum (Agile methodologies), Rapid V model and Waterfall methodologies.
- Experience in ISO9001 and SEI-CMM Quality methodologies
- Experienced in Data driven Testing, cross browser testing and Parallel Test execution using Selenium Web Driver, Testing and selenium Grid.
- Expert in testing Product Based applications (Desktop, Mobile and Web based applications).
- Expertise in Smoke Testing, Functional Testing, Regression testing, ad-hoc testing, GUI Testing, Integration Testing, Conversion Testing, Production Validation Testing, System Testing, Installation Testing, Compatibility testing and End-To-End testing.
- Design and code from specifications, analyzes, evaluates, tests, debugs, documents, and implements complex software apps
- Using coding methods in specific programming languages to initiate or enhance program execution and functionality
- Participate in the evaluation, recommendation, and selection of hardware and software solutions
- Performed project management of estimating, scheduling, and monitoring tasks
- Performs expert-level engineering tasks associated with the analysis, design, and development of computer hardware, firmware, embedded systems, and/or operating systems
- Experience in Develop, maintain, and report intranet metrics
- Interface with different departments within the organization regarding new deployments and CDL s
- Experience in Manage, administer, and maintain all internet and intranet sites
- Research/analyze data processing functions, methods and procedures
- Experience in implementing ecommerce solutions using the ATG platform
- Experience in Oracle weblogic and middleware and deployment strategies
- Deployment experience in a multi tiered architecture using J2ee framework
- Experience with Java / J2EE, SDLC, Struts, Spring, velocity, Java script, AJAX, CSS, jQuery and XML technologies
- Exposure to Agile Software Methodologies
- Experience in front-end development working with development teams on the deployment of web based applications (Java,
- Experience in network design, operational support, hands-on implementation and configuration of network infrastructure
- Strong knowledge and experience in Front End UI Design and proven experience with development of large scale customer facing internet applications.

SKILLS

.NET (Less than 1 year), ACCESS (Less than 1 year), ANALYZER (Less than 1 year), ANDROID (Less than 1 year), APACHE (Less than 1 year)

ADDITIONAL INFORMATION

Technical Expertise:

Languages: C, C++, Java, .Net, HTML, DHTML

RDBMS: Oracle [...] MS SQL [...] MS Access, TOAD

Packages: MS-Office and Visio2010.

Bug Tracking Tools: JIRA , Bugzero, VersionOne, BugZilla

Testing Tools:

HP Application Life Cycle Management 11.0, HP Quality Centre, QTP, SOAPUI, Selenium RC, Selenium Webdriver, Selenium Grid, Selenium IDE and AutoIT

NW Protocols: FTP, TCP/IP, UDP, SNMP, IPV4, IPV6 and HTTP

Operating Systems: MS-DOS, UNIX, Windows [...] Windows Server2003 / 008, iOS, Android

Web Servers: IIS [...] Apache, Tomcat, Amazon web services, Service Center, Virtual Private Cloud (VPC).

Wi-Fi Devices: Mallard, uIPC, BHR3, BHR4 router, Mobility (Android/iOS CE devices), Wired IPC devices

Cloud Services: AWS, Azure, ANT, Jenkins, Puppet, SVN, Nexus

Assignments:

Client: Verizon IPTV , Irving , Texas Feb 2017 - Present

Environment: Windows, Quality Center/ALM, JSON, Selenium Web Driver, Selenium Grid, Selenium IDE, Oracle, UNIX, MS Office Tools, Java, HTML, DHTML, Web logic 10.x, JIRA, Devtool, Confluence, FiOS Routers, FiOS mobility, Amazon Web Services, CDN.

Description: Verizon IPTV service is provided over fiber-optic communication network. Mallard/Cheetah installations inside the house and use Category 5 cable for data for video, while newer markets using BHR4/BHR5 Routers and use Ethernet/Wi-Fi protocol for both data and video (Mallard 2, Mallard 3, Cheetah) and Mobility (iOS/android devices). Performed code download Multicast/Unicast Code downloading Process on Mallard/Cheetah devices.

Role: Software Developer (Developer - Senior - Embedded)

Responsibilities:

- Performed testing and full life cycle support of various Verizon IPTV Products including Set-Top Boxes and Broadband Home Routers
- Developing and testing load balance and functionalities of embedded systems and Perform Responsibilities of building test software to identify system component defects
- Provide test support to replicate customer experienced failure, track and troubleshoot issues and help Driven solutions
- Experience to provide Smoke test, ad-hoc , Regression Test , Sanity Test Results with in the time frame.
- Support Quality Management team on lab studies and other quality assignments

- Supporting the development team in fixing and verifying the bugs logged by team.
- Debug root cause of the issues using various logs.
- Attended high-level client meetings to give weekly status reports of testing and also involve in discussions about testing plans, bug triage and risks.
- Interact with business owners with regards to changes in requirements and change requests
- Involved in legal compliance tests for Mallard 2, Mallard 3, and Cheetah.
- Developed and maintained automated regression test cases in Selenium Web Driver using Java programming language.
- Automation of functional testing framework for all modules using Selenium and Web Driver.
- Verified AWS for video streams on IPTV devices
- Worked on CDN, CMS, Metadata API, OTT/IPTV,
- Performed packet loss test for the Video Pixilation observed on Live TV on Mallard 2, Mallard 3, and Cheetah using MPEG Analyzer.
- Experience in executing test scripts and update the test results in Jira
- Analyzed requirements and involved in writing test cases for Mallard 2, Mallard 3, Cheetah boxes for GA and GA1 Builds.
- Experience in using Linux commands for enable logs and collecting the logs from set top boxes
- Experience in collecting Platform logs for set top boxes using PVT Tool
- Experience in Understanding of IPv4, IPv6 requirements
- Prepared and executed scripts for DVR, Guide, VOD, Live TV, EAS, OTT Live TV, on Mallard 2, Mallard 3, Cheetah boxes
- Performed WPS pairing on Mallard 2 and Mallard 3 Devices
- Experience in network implementation concepts in order to provide assistance in creating and executing network validation scripts within projected timeframe.
- Performed QA testing and technical networking sets to assist with completing critical enterprise projects.
- Performed Code installation on Mallard 2 ,Mallard 3 and Cheetah Devices , Code Download and Monolithic on Tokenized and non - tokenized STBs with COAX and Ethernet IP Clients.
- Experience in Developing and maintains test scenarios and end user test scripts to verify new functionality performs as designed and meets customer needs.
- Responsible for insuring documentation meet requirements and execute test plan with quality Responsible for creating and executing regression testing, test plans.
- Communicate with vendors regarding script issues and software/tool defects Perform quality assurance testing for Client Private Network Services.
- Experience in reporting tools / reports testing Crystal Reports, Business Object, advanced SQL usage referred Experience of UNIX servers full awareness of OS and variety of commands, ability to read and test scripts in various formats.
- Documenting Test Documents Using MS Office Tools - Word, Excel and Power Point.
- Solid experience with Back-End service testing with XML.
- Mentoring and Conducting training sessions for newcomers on day to day testing activities like designing test cases, Test case execution, GDRP, Bug logging & Reporting, communication with client.
- Part of whole Software Testing Life Cycle and good exposure to Software Development Life Cycle.
- Prepared Test Lab to simulate client environment (Software and hardware) so as to perform the exact operations, which would have been performed by clients.
- Possess good documentation skills. Designed, documented and audited User-Help Manuals for applications
- Trained new members of the team with DVR, Conflict resolution, Tuner Management modules.

Client: Verizon, Ashburn, Virginia July 2015 - Jan 2017

Environment: SIT/Production, QAM Channels, MPEG2, MPEG4, OTT, Splitters, TeraTerm, Wireshark, Log Client, Wirelink, CPE Manager, HNM (Home Network Management) Tool, DTI Express, IVAPP Tool, Hydra Server, CASMR, ISDS Server, HP Quality Center 11, iPhone 6/6s/6 Plus, iPad Air 2, Samsung Galaxy Tab, Lenovo Phab2, Macbook Air, Toshiba Tablet.

Role: Video Network Engineer

Description: VMS (Verizon Media Server) service is provided over fiber-optic communication network. VMS installations using MoCA 2.0 inside the house and use Category 5 cable for data and coaxial cable for video, while newer markets mount the ONT outside the house and use Multimedia over Coax Alliance (MoCA) protocol for both data and video over a single coaxial cable for STB's (VMS/IPC, Mallard, uIPC, Legacy Aris/ Cisco) and Mobility (iOS/android devices). Performed code download Multicast/Unicast Code downloading Process on STB's.

Responsibilities:

- Responsible for preparing test deliverables such as Test Plan, Test Scenarios, Test Cases, Test data, Traceability Matrix, Risk analysis report, Root cause analysis report, Test Logs & Operations Test Reports.
- Communicating with clients in stand up calls for new Project kick off, update on the health of the project for potential risks & suggestions on risk mitigation during testing.
- Mentored, trained teammates/team on using different applications and understanding the testing requirements.
- Participated in Bug Triaging, tracking and reporting of bugs raised by self and other team members.
- Exclusively involved in UAT Testing by contributing towards UAT SETUP & participation in analysis and retesting of UAT bugs.
- Knowledge in code upgrade process, preparing Installation Qualification as well as Unit test Installation Checklist and Operational Qualification documents.
- Involved in testing the MoCA 1.0, MoCA 1.1, MoCA 2.0 on different Set-Top-Boxes and BHRs
- Involved in preparing the test areas to replicate in-home media network and tested the Interactive media guide application.
- Worked on networking components and services such as TCP/IP, UDP/IP, IGMP, HTTP protocols, DHCP, DNS and LAN/WAN technologies for FiOS TV
- Involved in configuring the serial port to monitor the serial logs from Set-Top-boxes while testing and troubleshooting the defects.
- Involved in testing FiOS Mobile App - Dashboard, Watch Now, DVR, My Recordings, On Demand, Recently Watched, Favorites, My Library, Settings, Parental controls, Preferences, Cloud on iOS and Android Devices using BHR3/BHR4 routers.
- Performed router upgrade and tested VMS/IPC, Mallard, uIPC, CE devices
- Performed stress tests CE devices on 2.4/5.0 and guest Wi-Fi settings Wireless network
- Performed WPS pairing on Mallard, uIPC, Android Devices
- Performed Activation of VMS/IPC P1/IPC P2/Mallard/uIPC using Public DNS entry in BHR3/BHR4 router with Ethernet WAN/COAX connections
- Performed stress test with different Line speeds to check performance of SD/HD VOD
- Performed subscription of package validation for MPEG2 and MPEG4 channels in the channel map.
- Prepared and executed scripts for DVR, Guide, VOD, Live TV, EAS, OTT Live TV, on VMS and IPC.
- Experience in Upgrade/Downgrade premium packages in SIT and Production environment for FOA and Manage Trail.
- Verified Closed captioning for SD, HD, 3D and VOD content on VMS and IP clients with SD and HD Settings.
- Verified Help Videos, Widgets and apps with HTTP and HTTPS servers.
- Integration Networking and programming for DVR/MRDVR systems through switches, and Routers using TCP/IP suites.

- Performed installation of VMS/IP Clients to new members of team for SIT testing.
- Performed functional testing on Parental Controls, VOD, DVR, MRDVR Packages.
- Performed switching IP Clients in Dual - VMS setup.
- Connected VMS/IP clients with Coax or Ethernet for streaming of Live TV, DVR, VOD, PPV events, Widgets, Parental Controls, Import settings.
- Verified Error codes for failover of TR-069 in SIT Environment.
- Performed Wireless testing with iOS, Android devices and reported to Network team with issues observed in Production.
- Performed Code installation on VMS , IP Client - Auto Provisioning, Code Download and Monolithic on Tokenized and non - tokenized STBs with COAX and Ethernet IP Clients.
- Performed Greenwave BHR4 swap in SIT and production with different firmware [...]
- Analyzed requirements and involved in writing test cases for VMS/IP Clients for [...] Builds.
- Verified content on TAD channels in production on VMS, IPC and Mocking Bird
- Pairing/Un-pairing IP Clients from VMS with Basic DVR, MRDVR, Enhanced MRDVR packages.
- Performed manual testing for Video Capture for STB using HDMI, Component, Composite and S-Video for Motorola and Cisco STBs.
- Verified Widgets, HEM, IHA functionality in Production environment.
- Prepared performance testing for new EVO-VOD on VMS and IPC in Production environment.
- Involved in legal compliance tests for VMS, IPC, Mallard, uIPC, OTT Live TV.
- Performed packet loss test for the Video Pixilation observed on Live TV on VMS/IPC using MPEG Analyzer.
- Performed VOD stream capture to verify Ericsson Open Stream VOD Systems
- Experienced in authorization/de-authorization of CE devices to an account
- Experienced in installation of Mobile App on iOS and Android devices
- Experienced in Persistent logs uploaded on stb's when issue observed in Mobility (Android/iOS) devices.
- Verified CDL - Unicast/Multicast liability for SIT HDM traffic.
- Performed stress test - VOD, DVR, Live TV streaming simultaneously on CE Devices, VMS, IPC
- Involved in testing Interactive Media guide application on different types of Set-Top-Boxes with different types of Broad Band Home routers (BHR's) and ONTS.
- Manually tested all new functionality on all beta and GA releases before being released into a production environment.
- Responsible for publishing daily and weekly status reports when needed.
- Experienced in creating, enhancing and maintaining high-end test scripts for various functional and regression testing using QTP and VBScript.
- Experienced in developing Functions and Parameterize the data by QTP.
- Strong experience in Database testing (backend testing) using Structured Query Language for table manipulation in SQL server and Oracle.
- Coordinated activities between technical, test and production support groups in Waltham - MA and Basking Ridge, NJ.