

## SOFTWARE ENGINEER

### Skills

API, Automation, Broadband, C, CLI, change management, charts, CISCO, Hardware, Client, clients, CVS, DATABASES, DHCP, driving, features, Filing, Firewall, Functional, GPS, HP, Internet access, LAN, Linux, Logging, MAC, Managing, Mantis, meetings, memory, Access, Office, Windows, Modem, monitors, Network, Networks, next, Nortel, OPERATING SYSTEMS, Oracle, processes, progress, Protocols, Quality, quick, Red HAT, Servers, scripts, Script, Simulation, SNMP, SQL, strategy, Switch, TCL, TDM, Troubleshoot, Type, upgrades, Validation, WAP, WAN, Workbench

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### Professional Summary

Self-directed and motivated Software Engineer who works effectively in a dynamic environment. Fluent in [\[Programming Language\]](#) , [\[Programming Language\]](#) ^ and [\[Programming Language\]](#) .

Software Engineer well-versed in creating test cases, as well as covering all test conditions and eliminating redundancy and duplications.

[\[Job Title\]](#) ^ with expertise in all aspects of the software development life cycle, including requirements analysis, design, development and production support.

Problem-solving software engineering professional with a positive attitude. Promotes excellent communication and organizational skills. Seeking a software engineering position that builds tools and services that make a positive impact in the daily environment.

Skilled [\[ Type \]](#) Support Engineer successful at using personal judgment and advanced technical acumen to make an positive impact on [\[ Area \]](#). Forward-thinking and resourceful professional with a diligent mindset and disciplined approach. Ready to bring [\[ Number \]](#) years of experience in [\[ Industry \]](#) to a challenging new role with [\[ Company Name \]](#).

### Skills

- River bed/Steel Central packet Analyzer
- Wireshark
- LANForge /Shenick traffic generator
- HP Quality Center/JIRA/Bugzilla/Mantis
- CISCO-A, B, G, N, AC and MERU CWAP devices
- Aruba AC WAP
- QXDM Diagnostic Tool
- Linktrophy-WAN Emulator
- Accuris Accuroam
- PaloAlto-Firewall
- Sandvine Systems
- iMonitor/iBuilder
- SQL Lite
- ACMU/MODMAN/GILAT Modem
- Cisco & Congatec Programmable EGC Switch
- VOE Tunneling/Compression Software
- Xiplink Balancing Software
- 02 Project Name EFN432 (Access Node): Access Device to Fiber-To-Home and Office Subscribers
- Client Ericsson, Denmark
- Project management
- Linux
- Testing and maintenance
- Advanced critical thinking
- Program testing software
- Team reporting
- Client requirements
- Build releases
- New employee mentoring
- Troubleshooting
- Project planning
- Resource allocation
- Software documentation
- Report delivery
- Stakeholder updates
- Bug tracking
- Configuration management
- QA tools
- Customer requirement prioritization
- Resource scheduling
- Excellent diagnostic skills
- Problem resolution
- Technical specifications creation
- Written and oral communication
- Testing plans
- Excellent communication skills
- Excellent problem-solving abilities
- Windows and Linux
- Quality assurance
- Risk management
- System analysis
- Resource planning

Team coordination

Advised team members on appropriate testing actions and decisions.

Defined testing and acceptance strategies and determined quality assurance benchmarks.

Collaborated with project management and developers to coordinate testing activities at all stages.

## Work History

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- Bickford Senior Living
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- GoGo (Aircell) ABS System, Ericsson's EFN432 Switch, Nortel's OM3K Shelf
- OPERATING SYSTEMS : Windows - Desktop and Server editions, Red HAT, Fedora Core, Ubuntu DATABASES WORKED ON : Oracle DETAILS OF THE PROJECTS WORKED ON 01 Project Name GoGo (Aircell) - Airborne Broadband Services.
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- Bickford Senior Living

- IL

- Work Location Chicago, USA Description of the project This project is a pioneer of sorts.
- Aircell intended to provide cheap and affordable Wi-Fi in flight(s) using CDMA EV-DO and KU services.
- The ABS Airborne system (ABS) provides data services i.e., Internet access for equipped clients (Passengers, Crew-FAM, CAS and Maintenance) while the aircraft is above 10,000ft above ground(CDMA) or GATE to GATE(KU/2KU).
- ABS System has various devices to serve the clients with internet devices.
- ACPU - ABS Control Processor Unit is one among them.
- ACPU acts as both a manager to control the operation of various devices and also acts as an agent to be allowed control from ground, so that SNMP commands can be transmitted.
- It uses Linux kernel, which is optimized to provide memory management, separate system process (Init process, Logging) and configuration of system components (System, Network and Application packages).
- The Network Software component deals with providing Firewall, NAT, Squid, DHCP and QoS service to passengers.
- The Functional Software component is the core of the ACPU development, which interacts with and control the other hardware using SNMP, interacts with RADIUS server to maintain user session and status, interacts with GPS device to maintain flight state, monitors and maintains the health status, generates customized system reports and upgrades the ACPU and other hardware devices via software download/upload feature from the ground server.
- Your Role : Technical Leader-Testing Responsibility : Participate in the design and development of all IFE/IFC system functionalities Requirements understanding and Preparation of System test plans.
- Strong understanding on the application, Linux and domain to perform hands-on testing of the services from a technical standpoint.
- Methodologies with Extensive experience in Testing Document preparation on test strategy, test plans by evaluating functional and non-functional requirements Identifying, creating, reviewing, executing and managing test cases Perform different types of Testing: Black box, Module, Integration, Stress, System, Performance, User Acceptance Testing and Regression.
- Responsible for driving E2E Test scenarios efforts & Test effort estimation Prototype implementation and testing with actual hardware devices Developing scripts for various test scenarios Filing & Managing the status of defects/enhancements in the change management system and provide updates to the team on a regular basis Coordinate with other team members and vendors to accomplish testing goals Troubleshoot issues that arise during project lifecycle and operations Provide possible quick workaround and solutions Analyze root cause of any system anomalies/discrepancies in hardware and/or software.
- Simulation of test setup as per the customer's field environment Point of Contact for Test defects Participate in meetings with the IT teams, business teams, and vendors to discuss testing updates Create metrics/reports to capture test progress for projects and releases Communicate innovative ideas and information tailored to the style and needs of the project (Technical and Non-Technical) Handling testing efforts for multiple releases concurrently Proactively identify ways to improve testing processes and techniques Build strong and sustainable relationships with internal and external stakeholders Identifying quality risks and issues that impacts project deliveries Integration of software with other various components involved in airborne systems.
- Verification of intermediate fix for the issues observed in field and Deploy patches for the same after analysis & Tests Primary Technical Interface between Offshore development/testing team and customer Team.
- Customer communication management for onsite and offshore project team.
- Guide offshore team to resolve any issues reported by customer team Task allocation to team members and status Tracking Responsible for deployment of product in flights and involve in performing tests on test flights and assist client in getting Supplemental Type Certification given by FAA, which certifies that all the components in the flight follows the guidelines in terms of radiation hazard and not affecting normal flight signals and operations RCA, DP coordinator SVN/GIT Admin Creation and Testing of software Bundles/packages customized for different aircrafts SME for Tunneling Protocols and ATG/ATG4/GTO/KU/2KU airborne systems Maintaining/improving the scripts that process the performance metric charts periodically from Ground Servers Interaction with Airlines team, T-Mobile, Sprint and other third party vendor teams during integration.
- Duration : From : December 2009 To : Till Date.

- Software Engineer
- Foot Locker

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- January 2009 to November 2009

- EFN432 is an Access device which terminates high speed customer links, aggregates the traffic & sends to the next residing access switch.
- The main functionality of the device is to provide different services like triple-play, transparent-LAN with controlled quality of service and security.
- EFN432 distinguishes each service within a customer as a logical port/connection and apply properties/features like metering, access-control-list, virtual-MAC and quality of service for each of the logical connection.
- The main aim of this project is to implement reusable and scalable Access FPI Suite (AFS), an interface towards the Ericsson developed Access Node Application, so that it can be ported onto any NP with minimal changes.
- Developed CLI commands in C Reviewing test plans of peers Execution of API Validation Testing Execution of System Testing Automation Script in TCL Regression Testing Execution CVS Admin Build/Release management Proprietary tools used : Aricent's CLI for EFN432 Hardware : EFN 432 Board, Xelerated X11, MPC8544 Software : WindRiver Linux version 2.2 IXIA 03 Project Name OM3K Sustenance Client Nortel Networks, Canada Work Location Chennai, India Description of the project Nortel OME 3500 is a multi - service platform which supports TDM, WDM, Gige, 10G, 40G.
- This platform can be employed for wireless backhaul, data center connectivity and act as a optical transit node with multi-way branching.

- Software Engineer
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- August 2008 to December 2009
- Responsibility : Test Plan review Execution of System Testing, Load Testing Regression Testing Execution Creation of Software Build Provisioning and configuring the Test setup Setting up the servers SmartBits, IXIA, OM3K Cards, OmniBER Software : TL1/SiteManager VTX Tools Clear Quality VisionClick Workbench.

#### Education

- B.E - Electronics and Communication Engineering
- Arulnigu Kalasalingam College of Engineering

Examination/ Degree Name of School/ College and University Year of passing Percentage obtained Electronics and Communication Engineering

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- April 2007
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- March 2003
- MARITAL STATUS : Married NATIONALITY : Indian CURRENT OCCUPATION : Technical Leader-Testing
- S.S.L.C G.S.H.Hr.Sec.School
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- March 2001
- B.E(ECE)
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- April 2007