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**Professional Summary:**

* Over 12 years of IT experience in **design, development** and **support enterprise** based application development.
* Extensive hands-on experience in **Perl, CGI, Core Java, Python, J2EE, Web Services (Axis, Apache CFX), Spring Framework (Core, Security, web services, JDBC), XML, JQuery, Ant, Maven, SQL, HTML4/HTML5** and **JavaScript**.
* Worked extensively on OO Perl**/Java scripting/AJAX/JQuery/Twitter Bootstrap/CGI** application development.
* Experience in designing and developing **SOAP** and **REST** web services.
* Experience in **Angular JS, Underscore JS, Boot Strap 3, CSS, JQuery** and **Java script.**
* Experience in complete Hadoop Ecosystem flow and architecture (**MapReduce, PIG, HIVE, HBase, Spark**)
* Excellent understanding of **MapReduce** framework and its design patterns.
* Good understanding of **Hadoop** 2.0 (MRv2) YARN architecture.
* Worked extensively on Cisco phone application development using **JTAPI**.
* Experience on Cisco **VOIP** Infrastructure with **Cisco Unified SIP Proxy** 8.X, Cisco Unified Call Manager 7.X/8.X, Unity Connection 7.X,/8.X, **Cisco Communication Manager Express**, **Unity Express,** Cisco Unified Contact Center Enterprise 8.X and UCCX.
* Experience on **Cisco Voice Routers, VXML gateways and switches**.
* Extensive knowledge of FC-protocols, Brocade/McData FC switches and HBA (Brocade SW 3850,3900, 4100, Scimitar, Sabre SW 7420, 48K DCX, Brocade 8G HBA, McDATA Sphereon 4400), SCSI, TCP/IP, NAS, RAID, SNMP, Wireless, CDMA, VOIP and Storage & Telecom Domain.
* Worked in database like MySql 5.0, Oracle 11.0g and SQL Server 2003.
* Understanding **L2/L3 switching** and **routing, Ethernet, TCP/IP, UDP/IP, IPV4/ IPV6.**
* Experience in source control tools such as **Clear case, Perforce, CVS** and **SVM**.
* involves writing and execution of **Unit** **test plan (Junit, Easy Mock), conduct test plan review, testing schedule** and define **SQA** entrance

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| **PROFESSIONAL EXPERIENCE** |

**State Farm Insurance Companies (TEK Systems), US Sept, 2011 to Till Date**

**APOLLO**

Apollo is a Perl/java based frameworks which manages the different telephony operations (Phone Communication, Conference call, Call transfer, Call forward) across the Cisco 7962/75/37 IP phones. It design to verify the different operations for EUCP deployments to help assure a superior level of service after phones are installed across Agency/ operation/ corporate environment.

Apollo design to retrieve the phone Info and phone templates from CUCM (Cisco unified call manager Ver.

8.5.1) device pool using AXL API methods provides a mechanism for inserting, retrieving, updating and removing

Data from the CUCM database by using XML, HTTP and SOAP (Simple Object Access Protocol) interface. Simulates

Key Press events by sending POST CiscoIPPhoneExecute commands using HTTP IO::Sockets to IP phones. Apollo

Dynamically grabs the calls status from UC phones using JTAP while calls are in progress between Cisco phones to

IVR/Cisco phones.

Responsibilities:

* Involved in requirement analysis from business patterns, design and development.
* Involved designing the UI using HTML5, Java Script, CSS 3, AJAX, and Bootstrap 3.
* Extensively used Perl,CGI, SOAP web service
* Extensively used Cisco 2911/2811 voice routers for different configurations.
* Written the Perl Modules which interact with Cisco call manager (CUCM 8.1) using AXL API interface
* Designed and developed the Java based backend which retrieves the active call status using JTAPI based on different events kicks off from CTI call manager
* Written the backend in Perl based on the active and passive call processing.
* Involved in tracking and resolving defects using HPSM which raised in phone deployment, phone provision and Field validation.

**Jarvis**

JARVIS platform is tools based which mainly supports of state farm’s network and Cisco unified communication backbone. It mainly consists of support, reporting, provisioning, monitoring and administration related tools. Mainly used for provisioning, diagnostic purpose, monitoring, reporting purpose for Cisco phones, routers, switches, firewall devices.

Responsibilities:

* Involved in requirement analysis from business patterns, design and development.
* Involved designing the UI using HTML5, Java Script, CSS 3, AJAX, Bootstrap 3, and Angular 1.4.8.
* Extensively used Perl/Java/Python, CGI, and SOAP/REST Cisco web service.
* Developed the monitoring solution using SNMP polling engine for routers.
* Developed Firmware installation tool for different phone clusters (i.e. for subscribers, TFTP, publishers).
* Developed PSTN Impedance tool for improvement of quality of call in router.
* Developed the remove command tools for CUCM and SBC routers.
* Developed auditing tool (Gibson) which gives temporary access different UC components (CVP, CUCM, TFTP, PLM) .
* Extensively involvement in provisioning configuration of CUCM 8.1, CUC.

**Breach Notification:**

Breach Notification java application to retrieve client's NPI (first name, last name, SSN, DOB) , SPI information, corresponding client agent relationships, active/inactive agreements using breached client ids from different SOAP web services layer , validate the information based on different business logic and create excel reports based on the different requirement in shared directory.

CustomerInfoRetriveUtils method takes all the client ids and builds web service request and start sending PUX95 web service method (retrivePartyInfoNPI) for all the client NPI info and retiveAgreementInfo for retrieving the client's agreement info , once processing is complete it sends the data back to controller to generate excel report and transferring report to shared location using SFTP.

Responsibilities:

* Involved in requirement gathering, analysis, design and development
* Extensively used J2EE, Spring MVC, Spring Core, Spring Security, SOAP Service, AJAX, and JQuery.
* Developed UI using HTML5, Java Script, CSS, JQuery and SFX tags.
* used java script namespace design pattern to design the UI backend
* Consumed SOAP WSDL using Apache CXF client.
* Written Junit test cases in Easy mock
* Involved in tracking and resolving defects using team track which raised in system, integration and performance testing.
* Involved in migrating the project to Hadoop platform.
* Involved in migrating test data to HDFS using Sqoop from Postgres.
* Involved in initial design of processing data using Scala and spark.

**Lucille (Silent Monitoring/OTMP):**

Lucille is platform which provides the ability to monitor, control and fetch status of the phone device in cluster. Persistent containers of JTAPI phone objects (Terminal observer, call observers and address observer objects). It provides the platform to other applications like silent monitoring and one-many paging. Traps the terminal, call and address based events.

Responsibilities:

* Involved in entire life cycle of the development and Unit Testing.
* Extensively used JTAPI api to get the active call status, create new call, keep tracking of terminal status and start monitoring.
* Developed the features like barge and whisper while active monitoring is in progressing using monitoring hanger, check status handler, monitoring handler, barge handler and whisper handler
* Extensively used J2EE, Groovy, JMS, and Apache Active MQ.
* Used Oracle Database for querying phones.

**Olympus Inc, US Oct,2010 to Sept,2011**

**EW2010 Automation**

EndoWorks 7.4 is an integrated web-based information management solution that spans all phases of patient care and increases productivity and efficiency. Equipped with high-resolution HDTV imaging capability to assure the best-possible image quality for endoscopy and laparoscopy. This enables enhanced observation of capillaries. Compatible with EVIS 100/130/40 Series and EVIS EXERA™ 160 Series scopes as well as bronchoscopes and surgical endoscopes (EndoEYE™, 1CCD/3CCD camera head, and VISERA™ video scopes). Narrow Band Imaging™ (NBI) to enhance the visibility of fine capillaries and the mucosal tissues in the GI tract. Two types of structure enhancement are available — the original Type A for observation of larger mucosal tissues with high contrast, and the new Type B for observation of smaller tissues, such as capillaries.

Responsibilities:

* Developing the automation framework for Image capture module.
* Development of Perl modules, APIs.
* Configuring /Maintaining the Apache Server.
* Integration of tools and API to automation framework.
* Development of test cases/ test plan.
* Firmware testing different VIO cards on IBM servers.
* Automating the complex system
* Optimizing the test cases and execution time.
* Involved in application portability testing, API testing in IBM server.
* Create, execute, and maintain structured test cases.
* Identify, isolate, report and track defects in the defect tracking system

**Environment: OO Perl 5.8**, **Shell scripting, XML, QC 10.0, Apache, HL7, IBM Servers M58, M57, MPro, Windows XP, Linux**

**Qualcomm Inc, US Aug, 2009 to Oct, 2010**

**QIGW/QII Interface Automation**

QChat provides a convenient and reliable push-to-talk (PTT) voice service for customers who want to quickly connect with friends, family, and colleagues. Qualcomm’s QChat service for 3G wireless networks delivers instant connectivity. QChat interoperability calls processing. Message flows are used to describe the processes of setting up calls, floor control, and ending calls.

SIP interfaces between IEQAS subcomponents and external SIP servers. SGS provides a framework that can be used to simulate foreign SIP gateways using a scriptable interface and configuration files.

Call is generated from the client side to the IGW. The IGW then converts to a SIP network and receives the INVITE message. The SIP side then sends a 180 ringing response. The SIP side then sends a 200 OK message and the call gets connected. After a while the phone is hung up and the IGW leg sends a RELEASE. The IGW then would send a SIP BYE message with the cause code in the Reason Header indicating the problem is a Normal Clearing. Gateway server components

Interact with IGW to establish the inter-op calls

1. The GCF is responsible for caching user data and some configuration information that is accessed by GCH (Gateway Call Handler) during call processing.
2. The GCF will store following information in the location cache

* Vocoder capabilities, Contact and Home Foreign Gateway Domain
* Foreign Gateway Domain Routing Table
* QChat Domain Routing Table
* iDen Alias table
* iDen Migrated Users table

1. The GCF will provide lookup service on the cache based on UFMI.
2. The GCF will update/delete the location information of foreign dispatch clients in location cache based on Update/delete Requests received from GCH
3. The GCF will reply back with location information of foreign dispatch clients when it receives Location Query Request from CID

**Responsibilities:**

* Developing the automation framework for different QChat components
* Development of API to integrate the different tools to framework
* Integrating the different tools(SQIT, CST, MSniff ) to framework
* Optimizing the test cases and execution time by using Perl profiling
* Developing the test plan
* Executing the test cases and automating the complex test cases
* Analyzing the test failures and debugging the logs.

**Environment**: **OO Perl 5.8, XML Parse, STAF, STAX, MySql, SWIG, CGI, Apache, CDMA, WCDMA, SIP, RFC3261, SNMPV3, Brew OS 3.0, Linux**

**Qualcomm Inc, US Nov, 2008 to Aug, 2009**

**QChat Server Automation**

QChat is a Voice-over-IP (VoIP) application that offers half-duplex communication between one-to-one and one-to-many endpoints. The QChat product includes features that allow users to:

* Establish QChat calls
* Notify other users that communication is desired
* Add new users to established calls
* Restrict incoming and outgoing calls

The QChat System consists of dispatchers, MCU complexes (MCC), Regional Usage Log Servers (RULS), Lawful Intercept Servers (LIS), Element Management Servers (EMS), User/Group Database Front End (DFE), Regional Presence Distributor (RPD) ,Regional Gateway (RG), and IP clients (wireless devices with IP connectivity). STAF framework provides the foundation layer for test automation. It provides a pluggable approach using which different tools can be integrated with the framework. STAX is our test execution engine, which is built as a STAF service. STAX provides functionality to thoroughly automate the distribution, execution, validation and reporting of results of your test cases. A single test case consists of an XML test case, test driver and test validators.

**Responsibilities:**

* Client Interaction for Requirement Analysis and issue resolution.
* Project Estimation, Scheduling, Task tracking, Project Planning.
* Ensuring Onsite-Offshore co-ordination for the requirements.
* Design, Code Review, Technical assistance to team.
* Developing the automation framework for different QChat components
* Integrating the different tools(SQIT, CST, MSniff ) to framework
* Automating the complex system
* Optimizing the test cases and execution time.
* Overall Onsite team Lead

**Environment:** **Perl 5.8, XML, STAF, STAX, MySql , SWIG, CGI, Linux, Msniff, SQIT, CST, Xpath, CDMA, WCDMA, 3G, BREW OS, SIP, RFC3261, SNMPV3, Linux**

**Brocade Communication Inc. Feb, 2006 to Oct, 2008**

**CRT/CAT Automation**

The storage application (SA) is linked to a library that implements the interfaces that make up the XPath API as specified in the header files and documentation. These APIs mainly consist of data structure allocation functions and RPC stubs to communicate the "virtual target daemons" and other daemons like fcpvtd, fcvid using different libraries like VIO, Mosaic and XPmesg interface to establish the session between I/O and physical targets. The application invokes the API functions to build, combine, and expose virtual storage objects. A platform comprises with the different service groups and modules like APN, VT, COPY, XMAP, DISK, VOLUME and FCVID. Above project mainly involves automation of functional test cases for SAS, which comprise of different service groups.

**Roles:**

* Automating the complex system, scalability and functional test cases for Storage   Application service groups Like VOL, XMAP, VT, Range lock
* Overall Onsite team Lead

**Responsibilities:**

* Client Interaction for Requirement Analysis and issue resolution.
* Project Estimation, Scheduling, Task tracking, Project Planning.
* Ensuring Onsite-Offshore co-ordination for the requirements.
* Design, Code Review, Technical assistance to team.
* Ensuring timeliness of product delivery.
* Mentoring Team Members.
* Training new team members on technical and business domain.

**Environment**: **OO Perl 5.8,C,CGI ,Apache 2.2, Shell scripting, Io Meter, Medusa, Disk probe, IO Blaster, Hazard, EMC AX-100, Clarion, Fujistu E-3000 and IBM shark, Solaris , Hp-UX and RHEL 8.0**

**Brocade Communication Inc. Mar, 2005 to Feb, 2006**

**Shiner**

The storage application (SA) is linked to a library that implements the interfaces that make up the XPath API as specified in the header files and documentation. These APIs mainly consist of data structure allocation functions and RPC stubs to communicate the "virtual target daemons" and other daemons like fcpvtd, fcvid using different libraries like VIO, Mosaic and XPmesg interface to establish the session between I/O and physical targets. The application invokes the API functions to build, combine, and expose virtual storage objects. SA platform comprises with the different service groups and modules like APN, VT, COPY, XMAP, DISK, VOLUME and FCVID.

* APN module: provides logic to discover APNs and associated DPCs.
* Copy modules: Implements optimized copy and verify SA services at DPC.
* Disk module: Manages disk objects and provides primitives to enable target multipathing.
* Volume module: Manages the volume object and provides primitives to enable load balancing via striping and redundancy via mirroring.
* XMap module: Manages the extent map object that provides primitives to enable data migration and snapshot type functions.

In shiner involves in automated around 1050 test cases for the different service groups of storage platform using the test framework , marinating the test harness and testing the different API interface for the different service groups

**Responsibilities**:

* Automating the unit test cases and validating
* Debugging and fixing the test harness bugs using extended Perl programming.
* Taking the responsibilities of new features RNID, FCVIAPP and different
* Service    groups DISK, VOL, VT.
* Client Interaction for Requirement Analysis and issue resolution.
* Design, Code Review, Technical assistance to team.
* Ensuring timeliness of product delivery.
* Mentoring Team Members.

**Environment**: OO Perl 5.6, C , CGI, Apache 2.2, EMC AX-100 and SAS/SATA, JBOD storage Io Meter, Medusa and RHEL 8.0

**Microsoft Corp Sept, 2004 to Mar, 2005**

**Developer**

**SFU Migration on R2**

Interix is Component of SFU-4.0 which supports mix mode programming i.e. which provides subsystem support both POSIX system call as well as win32 system calls. It also includes Interix, a complete, high-performance UNIX environment that provides programming layer for user using Korn shell. And also contain complete set of development tools and libraries for porting your UNIX-based applications to the R2 Interix sub system. The above project Involves the migration from SCO utilities like ls, cat , man, tset, login  etc. and libraries like libcurses, liaia , libiaf, libc to Interix sub systems .

**Responsibilities:**

* Coding
* Unit Testing and Bug Fixing
* Test developed program modules against prepared test cases

**Environment**: C, Perl 5.8, Shell scripting, SCO UNIX, Interix on SFU-4.0

**Microsoft Corp Feb, 2004 to Aug, 2004**

**Developer**

**Design & Development of Test Frame Work For SFU -3.5 Components Using Interix subsystems**

Microsoft Windows Services for UNIX 3.5 makes it easy to integrate Windows operating systems into existing UNIX environments which supports various components of UNIX (NFS, NIS, RSH, Password Sync, Telnet) and It also includes Interix, a complete, high-performance UNIX environment that provides two command shells (C and Korn), over 350 commands and a complete set of development tools and libraries for porting your UNIX-based applications to the Interix subsystem. In the above project which contain test suit for the above competes (Telnet server, Password Sync. Modules, ODBC-Connectivity) .it includes configuration of RSH, NFS on UNIX environment and enabling the telnet service. Admin test suit which contains administration of the above components .Client test suit contains the different tests according to test Plan. All the test case are design in Perl and C. Test suit for ODBC-Connectivity contains Connection pooling , cursor, Error handling test  and in Unix system calls test in here we are developing test for checking thread safe  .by creating POSIX and WIN32 Threads Synchronizing and calling various system calls from different sub systems.

**Responsibilities:**

* Coding
* Unit Testing and Bug Fixing

**Environment**: Perl5.8, SCO UNIX, Interix on SFU-4.0

**Falcon Corp Mar, 2003 to Feb, 2004**

**Test engineer**

**Source Selection for F900**

F900 is an aircraft having different Functionality like CALF, MWF, GGF, ECLF for controlling different PFD And MFD Parameter of Plane like Fuel, Temperature, Altitude, Static pressure and Flight Management Data etc using 1310-Display Unit. The above process are running on Interface card Agm, Clockset, Tactical  process which are running in the Epic-Primus under DEOS .CALF Module which acts as a interface between physical controls like Weather Radar(WX) , Radio Controls(HF,COM),TACS Using  interface AR429 and RS 422 , Process running on the Intel 80486 Process On DEOS which is connected to ASCB  bus by Periodic device driver(PDD) which used to maintain data integrity ,stability between ASCB and physical controls which fetch the data’s from data base like HEAL-4.6.0.

**Responsibilities:**

* Coding
* Maintains

**Environment**: C++, VB scripting, Heal-4.1.6, Tick 6.0 and Priority Source Selection & General Source Selection

**IronWare1.0 Nov, 2002 to Mar, 2003**

Ironware1.0 is a secured cross-platform Admin tool. It uses Linux server resources, utilities and services. For remotely access the features, it is having a windows client environment for accessing and controlling over the service features. The utility features like browser is used for browsing the file and folders, Accounts is used for creating a new user, delete user and update user  Though, Ironware is a secured admin tool. So it is using OpenSSL for its encrypted data communication and used actions for creating a request and expecting a response in the form of XML format from sever.

**Responsibilities:**

* Design, Coding, Code Review.
* Test developed program modules against prepared test cases.

**Environment**: C++, RSA, MD5 and RC 4

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| **Education** |

Master In Computer Applications (**MCA**) from Utkal University, India in 2001