**[Ruksana.372070@2freemail.com](mailto:Ruksana.372070@2freemail.com)**

# PROFESSIONAL SUMMARY

* **6+ years of academic** and **industrial** experience in the field of Information Technology.
* 1 year teaching experience in Ibri College of Applied Sciences, Ministry of Higher Education, Oman .
* Over **five (5+) years** of programming experience as an **Oracle PL/SQL Developer** in Analysis, Design and Implementation of Application in a top notch Software company.
* Experienced in **Application Development, Compatibility Testing** that primarily involved development and testing of applications on various **OS SKUs. Service packs, Hot fixes, Security Roll Up packages (SRP)** and various other types of updates/patches.
* Experienced in **LMP, RSVP-TE, OSPF-TE protocols**. Involved in functional testing of control plane protocols.
* Experienced in developing **test strategy, test plans, reviews, test script** using **TCL/expect regression, test execution** and **defect tracking**.
* Experienced in **Bug Tracking** and **Bug fixing** activities.
* Excellent **Communication skills** and ability to work in a **team environment.**
* Energetic **self-starter** with **excellent analytical** and **organizational skills**.
* Active **Local Coordinator** for **various courses** in **foundation** and **advanced level**.
* Held many **counseling sessions** for **student advisees** to guide them in their respective **study plan** for their successful graduation.

# EDUCATION

**M.Tech** in **Information Technology**, Sathyabama University, India. **2011 - 2013**

**B.Tech** in **Information Technology**, Sathyabama University, India. **2001 - 2005**

# TECHNICAL SKILLS

**Programming** PHP, TCL, TL1, C, C++, Java, C#.NET, Visual Studio .NET

**Language** 2010

**Areas of knowledge** Testing of Protocols, Testing of applications on OS SKUs

**EDI Standards** Feature Integration Testing, System Verification Testing

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| **Databases** | ORACLE 7.x/8i/9i (SQL, PL/SQL) |
| **Operating System** | Windows XP Professional, Windows Vista, Windows Server 2003, and UNIX |
| **Testing Tools** | Debugging tools: probe + |
| **Configuration Management** | CVS, Clearcase, Perforce |
| **Testing Tool** | Ethereal, Norton Ghost, VmWare |
| **Defect tracking tool** | DDTS, Toro |
| **Protocols** | LMP, OSPF, RSVP |
| **Others** | Citrix Metal Frame Presentation Server |

**PROFESSIONAL EXPERIENCE**

**Ibri College of Applied Sciences, Sultanate of Oman Sep 2015 - Aug 2016 Assistant Lecturer, IT Department**

**Courses taught:-**

* Principles of Information System,
* Web Development,
* IT fundamentals,
* PHP & MySQL
* Object Oriented Programming
* System Analysis and Design

**Roles and Responsibilities**:

* Worked as the Local Coordinator for **several IT courses** at the **foundation** **level** as well as **advanced level of students**.
* As a local coordinator, performed various tasks like **developing Scheme of Work (SOW),** **Delivery plans, Course Curriculum review,** contributed to centralized question paper, and supervised the shared assessment of the respective courses.
* Attended **several academic workshops** regarding **Pedagogical Framework**, **Innovations in Technology, student behavior** and **cultural differences** in Oman.
* Active **member** of various **departmental committees**.
* **Mentored** and **counseled** students both in their academic and personal problems on an individual level.
* Assisted in the coordination of several **extra-curricular** and **cultural activities**.
* **Assisted** students in **preparation** of their **resume** and **portfolio** for attending several **career fairs**.

**Wipro Technologies, Chennai, India Oct 2005 – Dec 2010 Client - Norton Confidential**

**Description:** Norton confidential is an off self-product from Symantec. It falls under Identity protection category. It detects suspicious sites, blocks crime wares, verifies and authenticates valid sites and works with other internet security products.

**Roles and Responsibilities:-**

* Taken ownership of Integrator, Live update and IDD components.
* Provided co-ordination with the front end design team to provide necessary stored procedures and packages.
* Involved in fixing of production problems.
* Taken care of task assignments and reporting to the client(whenever needed) as a member of the team
* Handled status calls with the clients independently -Effective knowledge sharing with the team members
* Prepared and maintained the Test Reports, Defect Reports on daily basis

**Skills:** Perforce, VMware

**Environment:** Windows XP and VISTA All flavours and service packs. Tools: Norton Ghost, VMware, Partition Magic, Hard disk recovery tools, Holodeck, Windows debugger. Symantec internal tools for digital signature verification and other purposes. Install Check, CCDebugedit, CCSettingEdit, LUBuddy, BHOMonitor and ConfigFilePack/Unpack. Configuration Management: Perforce Test case Management: Toro Defect Tracking: Etrack

**Team Size:** 5

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## Development of FTEL's DSLAM (FDX)

**Description:** This project involves development of FTEL's Product which tests the FDX (Fujitsu's DSL access Concentrator) Geostream access gateway product, designed to deliver a complete range of broadband services using Oracle. Fujitsu’s broadband spans all aspects of PSTN evolution, from POTS and ISDN, to the Broadband and LLU. The FMSAN incorporates Layer 2 and TDM switching, to handle aggregation at multiple network layers. The multiple switches perform both VLAN and TDM cross connections and provide non-blocking switching and grooming for large numbers of access ports each of which can carry multiple services and checks all the OSS operations.

**Roles and Responsibilities:-**

* Developed PL/SQL packages, procedures, triggers and functions.
* Preparing UNIX Shell Scripts.
* Developing Library and configuration for the path computation module using TCL.
* Executed test cases and updated the test cases status.
* Reporting, maintaining and prioritization of defects.
* Responsible for Verification, Validation of closure of bugs
* Preparation and maintenance of test documents

**Skills:** Oracle PL/SQL, TCL/TK, Unix Shell scripts, VMware

**Environment:** Solaris

**Team Size:** 10

## Feature integration testing for ENNI feature in 4500 Control Plane

**Description:** The ENNI is an interface that separates two independent control domains, where limited information is exchanged between domains. This interface also allows each domain to support different set of protocols with ENNI playing the role of mediator. The ENNI feature set defines the requirements for signaling, routing, neighbor discovery and path computation.

**Roles and Responsibilities:-**

* Requirement Analysis and Efforts Estimation.
* Preparation of System Integration test strategy.
* Wrote Shell scripts for Data Loading and DDL Scripts.
* Involved in Logical and Physical Database design.
* Responsible for Sanity and Integration Testing.
* Preparing Scripts for Automation Testing using TCL
* Developing Library and configuration for the path computation module using TCL.
* Executed test cases and updated the test cases status.

**Skills:** Oracle PL/SQL, TCL, MPLS, LMP, RSVP, TL1

**Tools:** Ethereal, DDTS

**Environment:** Solaris

**Team Size:** 7

## Feature Integration Testing for Fujitsu Flashwave 4500 Control Plane

The Flashwave 4500 is functionally equivalent to a conventional Metropolitan Area Network that uses time division multiplexing technology suitable for present telephone services. It can efficiently transfer packet signals such as those used by Ethernet and video services. The control-plane can be described as a network of controllers exchanging information regarding the transport-plane. The transport-plane can be defined as a set of the data-bearing NE’s or transport nodes and the data-bearing links between the transport nodes. The main function control-plane are Link management and link neighbor discovery, Transport-plane topology discovery and traffic engineering support, Path tracing and inventory and Path computation and traffic engineering.

**Description: -** Control Plane is composed of many components: Signaling, Routing, Discovery, Path Computation, and Communication Channels. The Discovery feature covers the requirement for the neighbour discovery, link connectivity verification, link property correlation and service discovery. The Routing feature covers the requirement for Traffic Engineering link creation, topology propagation for various network configurations and includes requirements for routing protocol. The Signaling feature covers the requirements for the connection set-up, tear-down and modification. It also includes requirement for the signaling protocol. The Traffic Engineering covers the requirements for the path computation for connection set up and modification operations. The INNI is an interface between trusted organizations. This interface is, in general contained within a single-vendor control domain. There is no restriction on exchanging information between INNI nodes. The INNI feature defines the requirements for signaling, routing, neighbour discovery and path computation.

**Roles and Responsibilities:-**

* Involved in writing the test cases using specifications and reviewing them.
* Setup of the system for testing.
* Responsible for Sanity and Integration Testing.
* Performed Manual Testing using TL1 Commands
* Preparing Scripts for Automation Testing using TCL
* Developing Library and configuration for the path computation module using TCL.
* Executed test cases and updated the test cases status.
* Reporting, maintaining and prioritization of defects.
* Responsible for Verification, Validation of closure of bugs

**Skills:** TCL, LMP, OSPF, RSVP, Traffic Engineering, TL1

**Tools:** Ethereal, DDTS

**Environment:** Solaris

**Team Size:** 10

**Reference: -** Upon request