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| **B**iplab **K**umar **R**oy  |
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| ◆ Mobile: **+91-9902020017**◆ ◆ **biplov@gmail.com**◆  |
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| **Career Précis**  |  |
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|  | Goal oriented, result focusedprofessional with **15 years of** working experience within the **IT/Testing Arena.**Excellence in **Manual, Automation** and **Regression Testing**, QA and team management, **IT infrastructure management, Cisco routing** / switching, **network management**, maintenance of LAN/WAN,. Skilled at analyzing, troubleshooting, multitasking, communicating and motivating.  |
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| **Core Competencies**  |  |
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|  | * **Automation(Perl/TCL/Python Basics)**
* **IT Infrastructure Management**
* **Cisco Routing / Switching**
* **Network Management**
* **Telecom/ISP**
* **Application Installation**
* **LAN /WAN Maintenance**
 | * **Team Management**
* **Inventory/Vendor Management**
* **Analytical Skills**
* **Troubleshooting Skills**
* **Server Management**
* **Datacenter Technologies**
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| **Key Achievements** |  |
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|  | * **Implemented a QA Process in Ashley-Laurent to maintain a well-structured QA team in the Company.**
* **In six months I have been promoted from QA Engineer to Team Lead in the Ashley-Laurent.**
* **Won a Best Performer award in Alcatel-Lucent.**
* **Two times CAP award for reporting highest number of defects.**
* **Managing multiple projects and a team of 40 members.**
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| **Professional Outline** |  |
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|  | **AVP - Technical****Lead Engineer****Sr. Software Engineer** **Team Lead**  | *RIK Technologies India Pvt. Ltd.* *Alcatel-Lucent India Pvt. Ltd.**Mascon Global Ltd.* *Ashley Laurent Software Inc.*  |  **Aug 12 - Present**  **Sept 07-Aug 12** **Mar 06 – Aug 07** **June 03 – Feb 06** |
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| **Work Experience**  |  |
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|  | **RIK Technologies****Project : NxOS System Testing (N7000/N7700)****Client : Cisco Systems, Inc.****Role : Sr. Technical Manager****The Project involves in Manual and automation testing of DC Technologies on N7K/N77.*** Responsible for testing of Cisco N7K/N77 routers prior to deployment.
* Doing Manual and automation testingof features which includes Multi-dimensional scaling.
* Co-ordination with various teams for ensuring the issues faced by customer are resolved within certain period of time.
* Gap Analysis of Testing to reduce Customer defects. And Validation/Analysis of test results.
* Automating Test cases using ATS FW.
* Mentoring New joinees on Various technology concepts, tools and processes

**Alcatel-Lucent****Project : OmniAccess 3500 Nonstop Laptop Guardian****Client : Alcatel-Lucent** **Role : Technical Lead** **The OmniAccess 3500 NLG client is the combination of a Type II (Card Bus) PC Card (the OmniAccess 3500 NLG card) and the client software installed in the laptop. The card includes a local processor, a flash memory card, and an EV-DOrA modem. All card components are powered by an on-card rechargeable battery. All traffic to and from the laptop network interfaces is routed via the card where it can be processed by the OmniAccess 3500 NLG applications running on the card. The OmniAccess 3500 NLG enabled laptop is inoperable without the card.*** Writing the test plan & test cases for the new features added to the system.
* Analyzing the different test cases, performance testing and reviewing the same.
* System testing, Regression testing, Functionality testing, and Feature testing and to do sanity testing on the SCM builds, regression testing, reporting the bugs in Clear Quest.
* To test the module assigned to me if there was any updates coming on that particular module.
* Element Management System (EMS) testing.
* Automating test cases for the regression suite.

**Project : WCDMA – BTS (Node B)****Client : Alcatel-Lucent** **Role : Lead Engineer** **Node B is a term used in UMTS equivalent to the BTS (base transceiver station) description used in GSM. It is the hardware that is connected to the mobile phone network that communicates directly with mobile handsets. Node B uses WCDMA as the air interface technology.****As in all cellular systems, such as UMTS and GSM, the Node B contains radio frequency transmitter(s) and the receiver(s) used to communicate directly with mobile devices, which move freely around it. In this type of cellular network, the mobile devices cannot communicate directly with each other but have to communicate with the Node B.****The Linux Multi-Protocol ATM tester (RNC simulator). LAMP uses PET (Perl Environment for Testing) as test case engine, i.e. LAMP tests cases are coded in PERL. LAMP provides the complete interface, library and tool framework to specify the messages to be sent to the system under test, the messages expected from the system under test, and to connect to the system under test via ATM (target), UDP/TCP.*** Automated test cases for acceptance testing (GA) to validate the Nodeb loads before any release to Functional baseline.
* Designed, implemented and supported jenkin framework for end to end testing Nodeb loads for functional baseline (CI). It covers new Nodeb load installation. Test triggering on test bed. Result generation and results analysis.
* Designed, implemented and supported jenkin framework for end to end testing LAMP loads. It covers new Nodeb load installation. Test triggering on test bed. Result generation and results analysis.
* Worked as component guardian for LAMP Tool, reviewing all the submissions, giving Green light to submissions, validating each LAMP release using end to end automation through CI (Continuous Integration) mode.
* Integrated new AIDA Tool in to LAMP environment and tested.

**Mascon Global Ltd.****Project : Session Border Controller** **Client : Netrake** **Role : Sr. Software Engineer** **This is a session border controller a VoIP session-aware device that controls call admission and Denial of Service (DoS) detection and prevention on all calls being signaled into the network. It uses an extensible policy engine to decide whether particular calls should be admitted, and communicates with MEDIA to reserve network resources for admitted calls, and to open pinholes for the call media in the firewall. The functionality tested is SIP call Handling feature, IPSec, Firewall/NAT, DNS, ARP, ACL, Digit manipulation, P-Charging Vector, Redundancy, SDR, CVOIP and VRRP.** * Writing the test plan & test cases for the new features added to the system.
* Maintaining and enhancement in an automated framework for the testing various types of SIP call flows.
* Analyzing the different test cases, performance testing.
* Automating the test cases using various types of SIP tools.
* System testing, Regression testing, Functionality testing, and Feature testing and to do sanity testing on the SCM builds, regression testing, reporting the bugs in Clear Quest.
* To test the module assigned to me if there was any updates coming on that particular module.
* Element Management System (EMS) testing using the WinRunner and automating its test cases.

**Ashley Laurent** **Project : TANK – RG/EG Router** **Client : 3COM** **Role : Team Lead****The Tank products are devices used to provide IPv4 site-to-site connectivity using IPSec VPN tunnels. They contain features that allow a simple but secure scalable deployment. Software is consistent with best practice 3Com look and feel. The Tank appliances comprise the following main elements: A range of firewall/VPN devices suitably customized to 3Com specification. The Protocols supported by this router is RIP, OSPF, IGMP, PIM-DM, IPSec, GRE, Firewall/NAT, Content Filtering, ALG, ACL, QoS and L2TP/PPTP.** * Maintaining the QA team and the Work assignments
* Generated the Test Plan for all the modules & writing the test cases
* System testing, Regression testing, Functionality testing, and Feature testing of the routing protocols, IPSec and Firewall/NAT testing.
* The Analysis & development of test procedures based on the functional description
* Fixing the GUI and SLAP objects bugs
* Maintain the documentation of test results to assist in debugging & modification of software
* Building the regular image for daily updates
* Maintaining the Reports for the bugs in Clear Quest.

**Project : Q-Series Kentrox – EG Router** **Client : Kentrox****Role : Team Lead****Each Q-Series QoS Access Router combines a number of network access and security devices into one inexpensive device that can be set up and managed using a browser-based graphical interface. The Protocols supported by this router is RIP, OSPF, IGMP, PIM-DM, IPSec and Firewall/NAT.** * Analysis & development of test procedures based on the functional description
* Maintain the documentation of test results to assist in debugging & modification of software
* Writing & executing the test cases for the routing protocols, Datacom.

**Project : DSL Home - Modem****Client : Ashley Laurent** **Role : Team Lead****The DSLHome architecture is designed to reduce integration effort necessary to customize and expand functionality. Well-defined APIs make it easy to add functionality with Ashley Laurent designed features such as ICSA certifiable firewall and IPSec VPN, Internet content filtering, or other value-added functions such as DiffServ QoS & multicast routing. Featuring 100% Ashley Laurent (Principal member of DSL Forum) developed intellectual property, our DSLHome software is a robust solution that implements following DSL Forum’s TRs:*** **TR-068v2 Base Requirements for an ADSL Modem with Routing**
* **TR-069 CPE WAN Mgmt Protocol**
* **TR-064 LAN-Side CPE Configuration Specification**
* This was an ongoing project and I have started with writing the Technical Specification for the QA team.
* Made the module division for the projects.
* Written a XML script for testing TR-69 parameters.
* The Analysis & development of test procedures based on the functional description.
* Generated the Test Plan for all the modules & writing the test cases.
* Maintain the documentation of test results to assist in debugging & modification of software.
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| **Academic Profile**  |  |
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|  | ***Course Institution Year*****BE** (*E & C*) EPCET, Bangalore, KA/V.T.U 2003**12th** (ICSE) St. Thomas High School, Howrah, WB 1998**10th** (ICSE) St. Thomas High School, Howrah, WB 1996 |  |  |
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| **Technical Skills** |  |
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| **Environment** | **Description** |
| **Hardware** | Cisco Routers 7000, 5000, 3000, 6000, 2000, ASR 9k.Cisco Catalyst Switch 6500, 4500. |
| **DC Technologies**  | Fabricpath, oTV, LISP, vPC, VxLAN, FEX, L3VPN, L2VPN, Segment Routing. |
| **Wireless Technologies** | NBAP, RRC, MAC, RLC, LTE.  |
| **Protocols**  | STP, OSPF, EIGRP, BGP, MPLS, VRRP/VRRPv3, HSRP, SDP, SIP, IPsec, L2TP, PPTP, GRE, VRRP, SSL VPN. |
| **Testing Tools** | Ethereal, Sniffer Pro, TCPdump, Libnet, wget, Apache Bench Marking, Smartbits 2000, CMTS, WinRunner, Steel Belted Radius Server, Cygwin, Hping2, Quadtex – Protocol Tester, SIP Simulator – SIP call Generator, Adtech – Performance tool, SIPp, Sniffer – for capturing Packets, TrueCrypt, Utimaco, Smart Card, Agilent – for setting PPP call, VNC Robo, Pure Test, SCCM, SMS & Patch Link, Safe Boot, Utimaco & PGP, Opera, AIDA, OMCB,LAMP(RNC Simulator). |
| **Scripting**  | Tcl, Unix, Python, Perl. |
| **Traffic Generator’s** | IxNetwork, Spirent, Agilent. |
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| **Certifications / Courses**  |  |
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|  | **Mistral Solutions Pvt. Ltd.**, Bangalore, India June 2004 –Jul 2004Training consists of Embedded C, Linux Internals, RTOS VxWorks, and Device Drivers. |  |
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| **Personal Details** |  |
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|  | **Date Of Birth** | *13th Sept 1979* |
|  | **Marital Status** | *Married* |
|  | **Languages Known** | *English, Hindi, Bengali*  |
|  | **Nationality** | *Indian*  |
|  | **Personal Interests****Expected CTC** | *Listening Music , Playing & Watching Cricket & Soccer*As per Industry Norms |

**PAN No.**  AHIPR1181J