**LALIT SOLANKI**

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**Technical Leader | SOLUTIONS ARCHITECT**

**Accelerates Solution Implementation to Meet Customer Needs**

Develops plan to track equipment, software and various levels of operating systems in business computing environments. Leader in designing complex systems. Adeptly gathers input, collaborates and provides leadership across multiple global business units. Aligns business and service goals, solving complex problems. Help create high performance teams. Manage the projects cost effectively

|  |  |
| --- | --- |
| * Design Monitoring Systems * Build Systems | * Customer Support Center using Agile Methods * Continuous Integration |

**areas of expertise**

Languages: C, C++, java, perl, python, ruby, go, Shell scripts, VBscript, batch scripts

Web: HTML, CSS, javascript, php, rails, bootstrap,react.js,express.js, node,REST

Cloud: SaaS, PaaS, IBM Workload Deployer, KVM, VMware, Softlayer

Monitoring: Tivoli Netcool Omnibus, Tivoli monitoring tools (ITCAM, ITNM, ITM), newrelic, pagerduty, logentries

SCCS: Clearcase, CVS, git, RTC, mercurial

Database: Informix, DB2, mysql, firebase, mongodb

Software: lex, yacc, TBSM, make, ant, maven,gradle

**PROFESSIONAL EXPERIENCE**

**HONEYWELL CORPORATION**, Raleigh, NC

**Senior Software Engineer** ( Present )

* Leading setting up of devops team for Honeywell Tridium IOT solution.

**IBM CORPORATION**, RTP, NC and Denver, CO

**Advisory Software Engineer** (2015 – 2016)

Served in leadership role for three major architect projects. Helped management in hiring engineers and setup of new 24/7 Operations Command Center.

* Designed and developed monitoring solution for IBM Connection Cloud using cloud monitoring technologies, providing faster problem identification and resolution, resulting in improved customer satisfaction.

**Release and DevOps Engineering,** Rational Labs(2012 – 2013, 2015)

Created and maintained Cloud providers using IBM Workload Deployer on KVM, Power and ESX Hypervisors, enabling deployment of images on first of its kind IBM mini cloud called PureSystems.

* Maintained release infrastructure for RAFW developers and various test and sales teams, ensuring timely availability.
* Modified OVA (Open Virtual Appliance) image files for product on pure application and pure systems.
* Built Rational Automation Framework (RAFW) and Rational CLM Patterns, virtual images on Power Hypervisor and VMware ESX for Pure Application systems.
* Set up continuous integration for product builds using JBE in RTC.

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* Coordinated image availability for test, support and sales. Collaborated with multiple labs and teams across IBM Software Group for timely delivery.

Worked on designing a new build system for Cloud.

**Monitoring Systems and Solutions Architect,** Tivoli Labs (2009 – 2012)

Designed monitoring solution for twenty-seven labs and over 1500 devices worldwide using Tivoli line of products. Managed and coordinated efforts worldwide with team lead, managers and product architects.

* Improved reliability of services provided by Tivoli labs and reduced number of incidents by developing monitoring system, enabling engineers to see problems before customers reported them and managing system availability effectively.
* Increased efficiencies by building dashboard for engineers, managers, and executives, enabling decision making based upon "real time" information.
* Enhanced productivity by providing training and education to engineers and managers in use of monitoring tools and dashboards.
* Reduced problem tickets by 30% by avoiding system downtimes and customer reported problems.

**Build Architect,** Tivoli Labs (2005 – 2010)

Designed and developed build automation system on Windows that replaced legacy 16-bit OS/2 build system, enabling 64-bit build for over 100 Tivoli releases. Acted as System Administrator for Unix and Windows platform. Supported customers on build services.

* Built centralization effort for Tivoli in collaboration with management, resulting in >$2M savings YOY and improved customer service.
* Built website for Tivoli Central Build using IBM intranet standards, improving customer satisfaction as builds were submitted online and logs were monitored in real time.
* Improved problem resolution and turnaround time by creating Windows build interface written in Unix shell scripts, better addressing input from Unix engineering team.
* Designed automation for maintaining the IBM internal security compliance and audit readiness of over 100 machines.
* Presented Capacity and Capital plans for the lab to upper management, receiving approval to purchase equipment and upgrade the lab.
* Improved operation, creating process and implementing source code backup and disaster recovery plans for Tivoli using TSM (Tivoli Storage Manager) and tape libraries.
* Trained engineers across geographies on build activities and completed a new lab setup in China.

**Staff Software Engineer**

**U2 Database Systems Developer,** IBM Information Systems (2001 – 2005)

Implemented European language support in Unidata server and enacted Euro support, enabling Unidata to compete in the European market.

* Enhanced the Universe server to match the Unidata server; increased its shared memory, improved print drivers, enhanced 4GL compilers and interpreters, implemented new syntax, revamped networking for transferring bigger data structures.
* Maintained and enhanced Unidata database server.
* Developed installshield script for Redback application server, replacing the multi-step command line script.
* Removed third party test tools from Redback test suite, which resulted in cost savings year to year.
* Developed test tools for Unidata and Universe server.

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* Enhanced product quality by working directly with customers in feature development for Universe server.

**ADDITIONAL RELATED EXPERIENCE**

**INFORMIX INC**, Software Engineer, Menlo Park, CA

**INDIA SOFTWARE LAB,** Mumbai, India

Developed and maintained Informix Database Server. Served as technical team lead for Informix 4GL tools.

**EDUCATION**

**Master of Computer Applications (MCA),** (3 Year)

GUJARAT UNIVERSITY, India

**Bachelor of Science (BS), Electronics**

GUJARAT UNIVERSITY, India

Emerging leaders training, IBM (3 Year program)

Agile certification, IBM, RTP, NC

Information Technology Infrastructure Library certification, IBM, RTP, NC

Photoshop, Wake Technical Community College, Raleigh, NC

Coursera Game Development, Massachusetts Institute of Technology, Online