OBJECTIVE

* To achieve a challenging role that fully utilizes my experience and abilities and has opportunities for career advancement and learning to deliver the best out of me and my team.

Professional Experience

**Tata Consultancy Services – System Engineer (June 2018 – Present)**

* Professional Experience of more than 2 Years in automation development, Experience in automating process for client.
* Expertise in automation development in System Center orchestrator through scripts in PowerShell.
* Expertise in automation development using Microsoft services (MS flow, PowerApps, SharePoint etc.),
* Expertise in Web development using Nodejs, Mongo DB.
* Key skills are Scripting Understanding Client business process and automating it with the help of various tools like MS services or System center Orchestrator, Nodejs etc.

**Tata Consultancy Services – System Engineer (February 2015 – May 2018)**

* Professional Experience of 3 years and 2 months in Linux/Unix, Experience in Infrastructure management services and python automation development.
* Developed scripts for server health check reporting and modules using shell scripts on Linux and Solaris live production servers.
* Developed Web application using mongo dB & Nodejs
* Expertise in Tivoli Netcool Omnibus 7.3.1, Tivoli Service Request Manager, Tivoli Common Reporting, Netcool Impact and hands on application Database.
* Key skills are managing oracle databases for various applications, shell/python scripting, JAVA, Sun Solaris/Linux/Window server handling and management. Troubleshooting network issues, Application issues and fault management in Production environment.

**Tata Consultancy Services – System Engineer (July 2014 – February 2015)**

* Professional Experience of 6 months in Web Development, Layout creation and implementation of Internet of things product.
* Experience in web application development using REST API.
* Professional experience in software development includes Analysis, Design and Development of web-based applications.
* Key skills are managing oracle database for IOT based web Portal & Data manipulation and data storing to database.
* Construction, Enhancement and Maintenance and Enhancement of hardware system and connectivity of Devices.

TECHNICAL COMPETENCIES & TOOLS USED

* Language: Python, Nodejs, arduino, PowerShell
* Scripting Platforms: Python, BASH
* Web Technologies: CSS, jQuery, JavaScript, HTML
* Database: DB2, SQL server, MySQL, mongo dB
* IDE: Eclipse, visual studio 15.7, arduino IDE, SQL Developer
* System Center Orchestrator
* MS application (FLOW, PowerApps, SharePoint)
* IBM Tivoli Netcool Omnibus 7.3.1
* IBM Tivoli Common Reporting
* IBM Tivoli Service Request Manager (TSRM) 7.2.1
* Linux & Solaris Administration for end to end support.

Task Automation and Enhancement in applications

* ***Quick Start Portal:***
  + **Description*:*** There are various applications being used by client. Every application has multiple clusters to login. Users cannot remember all application URLs and supporting IPs to act on it, so I created Portal which is flask based, displaying all the supporting URLs with custom name to a single page.
* ***IP Portal:***
* **Description*:*** All the system/PCs are connected to the CNMS network through various IP. Nodejs based IP portal is taking care of all these devices. It triggers all the IPs in every 30 seconds, extracts the ping status of each device/PC in the network and displays the connectivity result on the webpage. We can even modify Employee details with its mapped IP Address. Basically, IP portal was created to track PC’s are turned on or off, so that we can save power consumption.
* ***Automation and enhancement through scripting***
* **Description:** Successfully automated all the servers’ health check, monitoring, connectivity and CPU and memory utilization report of servers, backup checklist etc. through shell scripting. Successfully implemented functionality to update large number of tickets in TSRM through shell scripting.

* ***Automation through SCSM & scorch***
* **Description:** Successfully automated Skype user provisioning, Skype User Number Provisioning Skype meeting Recording requests through PowerShell script in Scorch & SCSM.
* ***Automation through Microsoft tools (flow, SharePoint, PowerApps, PowerShell)***
* **Description:** Successfully automated BOX Leavers provisioning / Box user provisioning etc. requests using Microsoft tools (MS flow PowerApps, SharePoint).

PROJECTS UNDERTAKEN

**Project Name: - Ignite IOT based Project to Grow fodder system using Hydroponics (Seed to Feed Project)**

Operating System: **Windows** **2007**, database: **oracle,** Language: python, flask, android, electronics

Devices: - **arduino, various sensors**

**Description: -** This is IOT based project in which we can produce fodder using Hydroponics.

We created an IOT based rack system in which water sprinklers and light will be turned on or off based on fodders requirement using soil and moisture sensors. It can also be controlled with mobile phones via Bluetooth. Fodders can be produced indoor with using IOT based rack System. We created Nodejs bootstrap based portal which can control IOT based rack & can check status of light or sprinklers.

**Role: Backend Developer and designer of hardware devices**

* Team Size: 20
* Responsibilities:
* Maintenance and Enhancement of Devices
* Construction of devices
* web application development & its testing & devices connectivity & functionality
* Data manipulation and data storing to database
* Deployment of IOT based rack system on client location
* Bug Fix of web application and devices

**Project Name: - Operational Support Services (OSS): Enhancement & Production Support**

***Application 1: Tivoli Netcool Omnibus and TSRM (OSS Fault Management System Tool)***

**Server/Platform:** Operating System: **Red Hat Enterprise** Edition 5.4 64 bit. Database: **DB2**.

**Description:** This isIBM Developed product which has replaced Net Expert with the enhanced internal functionality for the Fault Management System which provided users minimized or unseen downtime to monitor fault alarms to rectify network related issues and resolving them on proactive basis to provide better and strong network.

* **Role: Device Integrator & System Administrator.**
* Team Size: 6
* Responsibilities:
* Integrated devices/nodes based on protocols like SNMP, ASCII, CORBA into FMS and PMS.
* Administration of IBM Netcool Omnibus (FMS) & TSRM application and making sure the application availability to users & Debug Issues and classify them as per the severity, Maintaining the servers and network of OSS CNMS.
* Managing the users by creation of workgroups in TSRM. Analyzing and resolving issues related with Trouble ticket and Remedy reports on daily basis.
* Experience in debugging and resolving the issue through multi-level logs. Performing UAT with Development Team for integration of new devices and CRs in system.
* Implemented Symantec Netbackup solution in the heterogeneous environment.
* Troubleshooting the issues on backup failures, based on status code.

***Application 2: Tivoli Common Reporting (OSS Reporting Tool)***

**Description:** Tivoli Common Reporting (TCR) is a web-based application which is used to create reports using its Congo’s engine & report studio. Prepared reports are then available to users to provide a consistent approach to generating and customizing reports as per the requirement of the users.

**Role: Application & System Administrator (TCR report Development)**

* Team Size: 4
* Responsibility
* Requirement Analysis & Design Documentation
* Data Analysis and categorization.
* Report generation.
* Maintenance and Enhancement

**Project Name: -Automation Development: Production Development & Enhancement**

***Application 1: SCORCH & SCSM (System center Orchestrator)***

**Server/Platform:** Operating System: **Windows server 2012 R2**  Database: **SQL Server**.

**Description:** This isMicrosoft Developed tool to create automation for the organization with no manual intervention

& works flawlessly for end users with minimized or unseen downtime to work upon it.

**Role: Automation Developer**

* Team Size: 10
* Responsibilities:
* Experience in development of New Offerings using Scorch & SCSM using PowerShell.
* Experience in PowerShell scripting to work upon Skype services / Box API’s integration & etc.
* Experience in requirement analysis Design documents
* Experience to automate reporting using python .

**Achievement**

* Created an IOT Device using microcomputer, Nodejs and mongo dB which is WI-FI controlled and it can turn electronic appliances (Lights /Fan) on or off.
* Got on the spot award for LAN reconfiguration and IP management at client premises.
* Created a web application using java and db2 for live monitoring (Ping Status) of computers/servers which are connected over network.
* created an IOT based smart mirror where it acts as a normal mirror, but it shows information like Latest news using news API’s, synced with Google calendar & Facebook calendar to show birthdays, open weather API (to show weather forecast), google maps API (to show expected time to reach a location).

**EDUCATION**

|  |  |  |
| --- | --- | --- |
| **Qualification** | **College/ University** | **Year** |
| 12th | BSEB Board | 2011 |
| BCA | Magadh University | 2014 |
| MCA | Jaipur National University | 2018 |

**PERSONAL DETAILS**

Date of Birth : Feb 20, 1995

Language Known : English, Hindi

Father’s Name : Mr. Prakash Chandra Tripathy

Mother’s Name : Mrs. Abha Tripathy

Marital Status : Unmarried

Nationality : Indian

Permanent Address : Village + Post: - Baulia, District: - Rohtas State: - Bihar, pin Code - 821304

**DECLARATION**

I do hereby declare that the Information furnished above is true and correct as per best of my knowledge.

**DATE: -** 12-Nov-2019

**PLACE: -** Noida

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