Amar Janardhanan
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PROFESSIONAL EXPERIENCE

Dec'16 to Present	Tata Consultancy Services	System Engineer

PROFILE SUMMARY

- An organized and goal-driven IT professional with experience of development in Web Development, Data Analytics and Automation.
- As a member of Automation Team, designed and developed automation scripts to automate the manual workflows and created UI dashboards to show meaningful reports and monitor the process flow. Mentored and provided training to junior members in the team
- As a member of Analysis team, designed database, created calculation views, extracted data from excel sheets to find out meaningful information to project it to UI in form of reports.
- Strong Python, SQL, JavaScript skills. Good Understanding of SAP HANA database.
- Individual with strong communication, interpersonal skills, self-motivated, quick learner and team player.

TECHNICAL SKILLS

Programming Languages	**:** Python, JavaScript
Database	**:** SAP HANA, MySQL
Front end Framework	**:** SAP UI5
Development Tool	**:** Anaconda, Sublime Text, SAP HANA Studio, Visual Studio Code
Other skills	**:** Flask Framework, Pandas, Selenium, Web Scraping, UI Automation, Python automation libraries

PROFESSIONAL EXPERIENCE

Backup Automation

- Automated the process to configure SAP systems to trigger the backup of the filesystem and database
- Designed and developed Python scripts at client side responsible to configure SAP system by installing the necessary software and configure the server to trigger the initial backups.
- Written unit test for each of the functionality supported in the scripts to reduce the bugs while adding any new functionality.
- Designed the scripts from scratch using OOPS concepts, SOLID principles, factory method to extend the existing functionality over various cloud platforms.
- Captured logs for automated procedures and generated automated emails to understand any failure for support team.
- Python scripts were also responsible to call the REST API at the server side written in node.js, which interacted with Hana Db.
- Tool Box: Python, Linux, SAP HANA, node.js, Visual studio code, GIT

Quality Assurance Tool

- Collaborated in the design and development of a quality assurance tool for SAP systems which identifies and classifies error at each phase of development till the deployment of the system.
- Developed and tested Python OS scripts to ensure the quality of the systems and logs were generated with the desired error/success message.
- Identified errors were reported back to concerned people via automated mails during each phase of the system build.
- Designed and developed visually impactful dashboards for managers to assist them in root cause analysis of the error.
- Enhanced the quality of system build by 40% and reduced time taken by manual procedure by 60%.
- Tool Box: Python, SAP UI5, SAP HANA

Data Extraction Tool/Web Automation Tool

- Designed and Implemented a framework responsible for the extraction and validation of data from various web-based tools.
- Written Python scripts for extraction of raw data from web.
- Worked on Data Cleansing and manipulation to convert the data into desired format as per the requirement. The extracted data can be saved in multiple formats and even loaded into database for further and easy reference.
- Worked on flask framework to deploy the python scripts on windows server.
- Worked on Pandas Library. Good knowledge on data frames to handle complex data and modify raw data to required form as per the requirement.
- Worked on Selenium library to extract data from Web pages and to automate manual UI Tasks thereby reducing manual efforts.
- Tool Box: Python, Pandas, Flask, Selenium, Excel library(xlrd ,xlwt) , HANA Database.

UI Dashboards and Tools

- Designed and Developed UI Dashboards to show the process flow of different teams in project and developed reports for quick analysis of the data.
- Good understanding of MVC architecture.
- Worked on SAP HANA database created calculation views to gather the data from multiple source.
- Good understanding of JSON format, worked on complex data to model the data to desired format for pictorial representation as well as in UI tables.
- Worked in core architecture team for designing and development of database tables and UI design for various tools used with in the project.
- Worked as an owner for few of the UI dashboards to gather the requirement from stakeholders and came up with optimum solutions to map the process flow and developing reports.
- Tool Box: SAP UI5, SAP HANA, JavaScript, Ajax

ACADEMIC CREDENTIALS

- B.E. Electrical and Electronics Engineering, CMRIT, Bangalore, 2012-2016 with an aggregate of 71.5%.
- CBSE Class 12, Greenway Modern Sr. Sec. School, Delhi, 2012, Secured 70%.
- CBSE Class 10, Greenway Modern Sr. Sec. School, Delhi, 2010, Secured 88%.

ACHIEVEMENTS

- Zonal winner of ROBOTICS WORKSHOP of National Robotics Championship-2013 organized by ARK Techno – Solutions conducted at IIT-Bombay

DECLARATION

I solemnly declare that the above furnished details are true to best of my knowledge and belief.

Place: Bangalore

Amar Janardhanan