SHILPA KHURANA

Contact: +91-9034384403
E-Mail: shilpa.khurana75@gmail.com

CAREER OBJECTIVE

To get high degree of efficiency and excellence in the highly competitive field where I can apply my skills and grow along with the Technological Advancement.

PROFILE SUMMARY

- **6+ years** of overall professional **experience** as Software Developer**.** Currently working as **Sr. PySpark Developer** in **Cognizant Technology Solutions**.
- 2+ years of experience in BigData technology.
- Responsible for the gathering requirements, design, development, unit testing and integration testing.
- Self-motivated, takes initiative and filled with high level of energy.
- Exhibits an honest work ethics with ability to excel in fast-paced and time-sensitive environment.
- Dedicated and highly ambitious to achieve personal goals as well as the organizational goals.

SKILL SETS

- **Programming Languages and Technologies:**
  PySpark, Hive, Python, Pandas, IBM Cognos, Yellow Bricks
  Hands-on-Experience in NumPy, BigData, MapReduce, Pig, IBM Watson Services, Unix(Basic commands), GCP(Google Cloud Platform) Basic Concepts
- **Software Tools:**
  Machine Learning Studio, Hive Terminal, Intellij IDE, Spyder IDE, PyCharm, Eclipse, Liferay Framework Manager, MS SQL Server, Toad For Oracle, Putty, WinSCP, GitLab, IBM Rational Clearcase, IBM Cognos Framework Manager, MS Word, MS Excel, MS PowerPoint, IBM Watson Knowledge Studio
- **Platforms and OS:**
  Windows XP/VISTA/7/10; Linux/Ubuntu
- **Technical Expertise :**
  - Expert in developing and delivering PySpark capabilities after catering requirements from customers.
  - Data Ingestion and tweaks in data using Pandas and Python.
  - Performance tuning and benchmarking for cluster sizing.
  - Good knowledge of performance optimization like broadcasting, accumulator, partitioning, bucketing, joins, etc.

PROFESSIONAL EXPERIENCE

Work Experience at Cognizant Technologies Solutions

Customer : **AMERICAN EXPRESS**   **Project Name :** TDR Cornerstone Migration

Period : October 2018 Till present   **Team Size** : 1

Technologies : PySpark, Python, Hive

Tools : Machine Learning Studio, Hive Terminal, PyCharm, Sublime_text, Putty, WinSCP, Dbeaver

Description:

Restructuring (Troubled Debt Restructuring) :

The debtor is facing financial difficulties (for example bankruptcy, loss of employment) due to economic or legal reasons and Creditor grants a concession to the debtor. Bank offers modification programs for loans and receivables are related to interest rate reduction, payment term extension, forgiveness of delinquency fees and any combination of these. Previously, this complete process was developed in SAS with Teradata. In this project, we worked on migration of **SAS to PySpark** and **Teradata to Hive**.

Responsibilities:

- Working in the agile environment and responsible to cater to the changes in the requirements in each sprint on a daily basis.
- Liaising with the Business Partner in terms of requirement gathering, discussions, developing views single-handedly using PySpark, Python, Hive.
- Conducting advanced data analysis and applying advanced techniques to build, maintain and improve on multiple real-time decision systems.
- Sole responsibility for the complete end-to-end delivery of whole migration.
- Development, Unit-testing, User Acceptance Testing, Integration Testing.
- Suggesting and implementing new capabilities of PySpark, Hive and other Big data technologies.
- Guide Business partner's team regarding execution of code.
- Documentation of code.

Work Experience at Wipro Technologies

FIRST CUSTOMER : UHG   **Project Name : UHG-SOT Automation**

Period   **:** March 2016– October 2018   **Team Size**   :   6

Technologies   **:** Python, NLP, Elastic Search

Tools   **:** PyCharm, GitLab, Putty, WinSCP

Description :

SOT Automation is an AI tool of a healthcare process reducing the workload of 800 people in a day. It receives the SOT (excel file) file in any user format, using NLP techniques suggest the column mappings and apply set of complex business rules on every column data accordingly and present it back to the user.

Responsibilities:

- Working in the agile environment and used to cater to the changes in the requirements in each sprint on a daily basis.
- Liaising with the end user in terms of requirement gathering and discussions, developing views single-handedly using Python. Mentored new joins into the project.
- Deploying code in customer environment.
- Managing two versions of tool single-handedly.
- Unit Testing and code reviews for pre-production and production cycles.

SECOND CUSTOMER : SHELL   **Project Name :** Downstream Functions

Period   **:** December 2014 – March 2016 **Team Size**   : 1

Technologies : IBM Cognos Administration, Content Manager, Cognos Design Framework, SQL, PL-SQL
Tools : Cognos Reporting Tool, Administration Tool, Toad for Oracle, Café, Control-M, Macro, SM9

Description:

This project involves various applications like CPE, Pangaea, GPC Cost2Serve, SUE which works with IBM Cognos environment. These applications use PL/SQL scripts for loading data into tables and use Control-M for scheduling ETL jobs, uses TOAD for interaction with database.

Responsibilities:

♦ **Development Side**:
  • Designing reports for users using IBM framework Manager.
  • Designed scripts for automating manual processes.
  • Helped migrations team for designing SQL scripts from existing Cognos scripts.
♦ **Administration Side**:
  • Running reports on Cognos Report Manager and providing reports to business users monthly, weekly, daily basis for various applications.
  • Maintaining credentials of all applications using Cognos Admin Tool.
  • Guiding business users for any technical issue after analysing SPL/PL-SQL scripts
  • Keep track of automated reports and analyse reasons for failed tasks and re-run the reports
  • Maintaining applications run by Macro and assist users with any kind of issues in scripts.

CERTIFICATIONS

IBM Certified Application Developer - Watson V3

EXTRA Co-CURRICULAR ACTIVITIES

NCC (Nation Cadet Corps)– A,B,C Certificates

ACADEMIC

Degree	Pass-out Year	Rank	Institution Name
M.S (I.T)	2014-2018	1st Class	VIT University, Vellore TamilNadu
BSc. (Electronics)	2010 - 2013	1st Class	M.L.N. College Yamunanagar, Haryana
12th (CBSE)	2010	1st Class	Aggarsain Public School, Kurukshetra, Haryana
10th (CBSE)	2008	1st Class	Maharishi Vidya Mandir, Sanwla Kurukshetra

PERSONAL PARTICULARS

DOB   :   30-08-1992
Language Proficiency   :   English, Hindi and Punjabi
Nationality   :   Indian
Hobbies & Interest   :   Adventure, Spirituality, Charity, Yoga

DECLARATION

I hereby declare that the above-mentioned information is true to best of my knowledge. Had a great opportunity to work and would love to explore new technologies in future.

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