

Nikhil Kumar Singh

Highly competent IT professional with 5 years of experience in building software, mobile applications, processes. Aim to learn, perform and succeed to the fullest in IT Industry.

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EXPERIENCE

VIRTUSA-HSBC Offshore Development Centre – Senior Software Developer(Python)

Feb-2020 - Present

Smart Investigator For Reconciliations Exception Team

- Team involved in developing automated HSBC reconciliations BOT
- which functions on Python based scripts to extract data from various datawarehouses situated across globe. The data basically comprises of HSBC investment banking transactions and settlements. The milestones to be achieved here is to what extent we are able to eradicate the manual efforts to match data, viz. Statement and Ledger side, which is done by a team of around 600 FTEs, cross - geography. We have implemented python scripts, machine learning to capture pattern and consume the same to match the data. At the end of day, the entire result is published on a very detailed dashboard, where in stakeholder can accept or reject proposals made by the team.

Responsibilities :-

- Write python based modules to extract , load and match data procured from data warehouses, database design to store matched results and script processing results.

SKILLS

Python, Pandas, Matplotlib, Flask,PostgresSQL,Shell Scripting(Basics),Django, Swift(iOS), Cocoa Touch, XCTest, Asyncio, SQLAlchemy, Statistical Forecasting (Basics),SQL Linux, JIRA, Git.

ACHIEVEMENTS

Above and Beyond the Call of duty Award Awarded ABCD award for leading a team and delivering a flawless solution to Philip Morris International client.

CERTIFICATES

iOS Application Development(IBM Apple Partnership)

LANGUAGES

English, Hindi.

Ernst & Young, Pune — *Software Developer(Python)*

June 2019 - Feb 2020

Develop backend for dashboard to present Statistical Forecasting results

- Part of team Asterisk: A first of its kind team at Ernst & Young under Advisory services (Performance Improvement) , underlined by the purpose of optimizing the supply chain practices across industries, not just identifying the areas of improvement, but also deliver a proper custom dashboard to make the entire process transparent and do away with paperwork. A complete turn-key solutions, where solutions pertaining to risk identification, sales forecasting, order generation, demand planning etc. in the form of custom dashboards is delivered.

Responsibilities :-

- Functionality Implementation, web services development ,Python programming, backend integration.

IBM India Pvt. Ltd , Benagaluru — *Senior Software Engineer*

JANUARY 2015- MAY 2019

iOS Mobile Application Development(B2E) :-

- Develop iOS Mobile Applications for various clients spread across the industries like T&T, Banking & Insurance, Retail, Governance etc. to smoothen the day to day work lives of working personnel in respective organizations.
- Worked on development ,upkeep of applications backed by optimal coding practices and rigorous automation testing .
- Few of the clients we worked for: Philip Morris International, Santander, FinGrid, Staples etc.

DevOps Quality Dashboard:

- DevOps Quality Dashboard was very tightly coupled with UCD(Urban Code Deployment), so all the data displayed in there, were automatically procured via REST Web Services from UCD , everytime it would run all the test scripts for a particular application. UCD basically used to run some python and shell scripts to trigger these test scripts. The test scripts comprised of XCTests , XCUITests, Junit test cases, SonarQube static code analysis scripts(FrontEnd and BackEnd), JIRA data fetch scripts, Security Testing scripts. The whole process was end-to-end automated in the sense, every midnight UCD was scheduled to checkout the code for an application, run all the test scripts, get the results and dump the entire data in dashboard, with relevant Web Services calls.

- **Responsibilities:**

Functionality Implementation, Django + Flask implementation ,
Python Based parsing, CloudantDB integration

Assistant Business Development Executive:

As an Assistant Business Development Executive for IBM Apple Development center, Bangalore, have hosted many client visits from around 13+ industries, where in we would be engaging the client with concepts of mobile garage, distributed agile methodology, design thinking, continuous integration and development(DevOps), application of Apple Human Interface Guidelines in iOS mobile application development (B2E apps) etc. As an outcome of which we would get either the delivery of an app or suite of apps (factory model) or we would be assisting them to inculcate and develop the same concept in their organization

EDUCATION

Birla Institute of Technology, Mesra, Ranchi — *B.E./B.Tech*

June 2010 - May 2014