

SOUMYA DASH

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BACKGROUND

Electrical Engineer But experienced as a Software Engineer

A result-oriented professional with over 4years' experience in application development and enhancement, service delivery and inter client relationship management.

- *Object-Oriented Analysis*
- *Design and Development*
- *Relational database systems*
 - Innovative software engineer offering experience in the full software development lifecycle – from concept through delivery of next-generation applications and customizable solutions.
 - Expert in advanced development methodologies, tools and processes contributing to the design and rollout of software applications.
 - Known for excellent troubleshooting skills – able to analyse code and engineer well-researched, cost-effective and responsive solutions.
 - Self – Confident
 - Hard Working
 - Dedicated Employee
 - Willingness to know new Concepts.

OTHER EXPERIENCE

Roles and Responsibilities:

Software Engineer, CGI Bengaluru, KA –

ASDC(Advantage-HRM)

Software Engineer, Accelerate – dates (30_NOV_2018 to 23_JULY_2019)

- Got an opportunity to learn and work on automation platform with Python technology.
- Completed couple of POCs based on analysis.
- Work-performed for spar table with innovative logic implementation as well as compared through GUI, based on Python-2.
- Automated the upgrade work in java by use of Apache-POI.
- Worked on upgrade side as well as DDL analysis.

ASDC(Advantage-HRM)

Software Engineer, Next-Gen/Phoenix – dates (23_JULY_2019 to present)

- Contributed, implemented software logic for Copycat Extract and Load tool.
- Performed dynamic operation of Copycat online extract tool by use of GUI with Python-3.7
- Work-performed for spar table with innovative logic implementation as well as compared through GUI, based on Python-2.7
- Introduced design, analysis, methodologies, end to end all feature logic implementation for offline copycat compare tool.

- Design and Logic implemented for the cross platform Copycat online table compare tool. It is still in-progress stage.
- Introduced best practices that enhance product definition.
- Implemented multithread concept for the faster execution.
- Facilitated the visual customization standalone compare tool (Table-csv, text, flatfile-binary, mag-media, Pdf)
- Performed the comparison result in terms of use of HTML, CSS, PDF and XLS report.
- Used of cost effective libraries in software development.
- Logic implementation, performed test as well as sql script writing on Automation Payroll side.
- Created JIC dat file for various payroll jobs.
- Worked in the Holonic side in JAVA-8, Spring boot with jdbc MVC not much.
- Contributed my effort in Testcase upgrade utility for metadata extraction.
- Implemented the various design pattern in Copycat- such as singleton, factory pattern and builder pattern to make the project more robust.
- Various jobs run to check the payroll process.
- Spent time to analysis and code refinement for the cross platform and container prospective etc.
- Actively involved in standup, sprint planning, backlog, retrospective & also shared my thoughts in agile process.
- Always delivered the code with in the time duration

[Project Summary](#)

Copycat (Extract, Load, Compare)

Copycat tool collects the configuration data for any given scenario from any environment and load it back to target test environments in order to test that particular business scenario, with a click of a button. Also it provides the comparison of multiple table-csvs, flatfiles(text files, mag media files), pdf files by taking input from its source and target table-csvs, flatfiles(text files, mag media files), pdf files path based on some scenarios. It is highly configurable, reliable and light weight.

Some of the features offered by Copycat are-

- Simple data input - Payroll data extraction using just one or multiple employee data or with the GTN number.
- Highly configurable to an extent that right from child most table till the root level tables can be configured. Currently it is configured for Payroll
- Ability to stand up an environment with just the scenario specific client data, in 30 minutes
- DB platform independent. Data can be extracted from SQL Server DB and loaded back into Oracle DB and vice-versa, flawlessly
- In built caching mechanism to speed up the data extraction process.
- Comparison of csvs can possible to generate the pdf report of each table data csv within few microseconds.
- Visual text/mag-media/pdf comparison results in-terms of Html format.
- User Friendly comparison report in PDF format

Payroll_Automation

An automation tool to build the database by performing various processes. Then the CopyCat Load from the “Day 0” csv files and a scenario set of csv files. After that, the database scripts and update the tables that contain information about the application server environment, such as where the Cobol runtime scripts are located on the BS_CATALOG_PARM and SITE_PARAMETER tables. Here it also make sure the “sa” user is current and available for logging in (ie: login hasn’t expired or locked) and has a password so user can set up an entry in the server list for their machine so that user can watch the server log output in real-time. Then it starts up the tasks for running Cobol: first the Cobol shared memory environment (and verify it’s correct), and then JIC for user’s jobs. After JIC runs and is verified, then the CopyCat Extract the tables and user knows what tables want to extract by looking at what is in the gold_results folder. Then run CopyCat Compare against the results and the gold_results and scan the first page of the pdf report for errors.

if each step is coming back with a State of 0 (Green) or 1 (Yellow – minor warning issued), it goes to keep moving forward. If any step produces a State of 3 (Red), that means something went wrong with automation itself (such as...databases couldn’t build, or JIC couldn’t log in) and stop the whole thing. If the scenario itself compared perfectly, then it’s assigned a State of 0 (Green). If the pdf report showed any type of mismatch, then the scenario is assigned a State of 2 (Orange), which means the automation ran fine, but the scenario results did not match the expected results. Each scenario gets its own subfolder in the work directory to keep track of its own logs, config files, csv files, and report.

The whole process such as:

- Copycat extract
- Copycat load
- Copycat compare
- Jic
- Holonic
- some patches based on current working process i.e FLTR_TABLE, DKEY_TABLE etc.
- pre_gtn_job no and gtn no for extraction pay
- extract C_tables
- compare utility
- compare payroll automation etc.

SyncUp

The testcase upgrade tool where it matches the test-cases to the target environment, catalyst that changes the test case format.

It synchronizes the test cases with the latest DB changes build over build and with the Copycat extraction it formats the metadata having the details about the columns, datatypes, length, and generate buildno and compares the build number and check.

Features are:

- It creates when the csv file is extracted by Copycat and having data.
- It creates a separate metadata folder having the schema wise generate table.yaml files, which have the details about the columns, datatype, length, nullable or not, data-scale etc.
- Also the metadata folder contains a build number schema wise. Based on DBCM_AUDIT TABLE etc.

Roles and Responsibilities:

**Jr Software Engineer, Paladion Networks Pvt Ltd Bengaluru, KA –
dates (14 JUNE 2017- 19 July 2018)**

- Designed and developed forward-thinking systems that meet user needs and improve productivity.
- Created proofs of concept for innovative solutions.
- Worked closely with other departmental peers to develop high availability solutions for mission-critical applications.
- Resolved the issue & implementation according to the client request.
- Helped the colleague as per their need.
- Actively involved in sprint planning & also shared my thoughts.
- Involved in end to end product development.
- Involved in UI designing with AngularJS.
- Involved in writing backend logic and wiring different modules of product.
- Solved customer issues.
- Fixed bugs.

Paladion OnDemand

A web based single console which manages multiple functionalities related to various security services at various customer locations. It also Provides PCI related services to its customers which includes vulnerabilities scans to their internal and external servers. It provides a portal where customer can fill their SAQs more comfortably to become PCI compliant. It has different core modules like Dashboard, Ticketing, Reports, Scans etc.

Customer: **Comcast, USA**

Technology used: Spring, Hibernate, Angular JS, HTML, CSS, Bootstrap, PSSQL

SAQ as a service

A Spring and core java-based project which maintains the Security questionnaires which has been filled by customer and calculates the compliance status for that.

Customer can download their SAQ report as soon as they fill the SAQs. A partner can view their all customer's ageing report by downloading it as a XLS file.

Technology used: Spring, Core java, MongoDB.

Internal Scan as a service

A Spring and core java-based project which communicates with Scanning vendors to perform Scans on different assets of Customer. It maintains the lifecycle of Vulnerabilities found by those scans. Customer can download the vulnerability scan report as soon as the scans complete.

Technology used: Spring, Core java, MongoDB

EDUCATION

- **Secondary (10th):** H.S.C.E – 76%
Budharaja High School,sambalpur, OD, India.(2006)

- **Higher Secondary (10+2):** Assembly of God's school
-- 64%, Jharsuguda, OD, India.(2008)
- **Bachelor of Technology:** Electrical Engineering(EE)
-- 86%, Gandhi Institute of Science & Technology, OD, India.(2012)
- **Post graduate Diploma:** Industrial and Relationship
IRPM Law college, -- 64%, Sambalpur, OD, India.(2016)

SKILLS SUMMARY

1 = basic, 2 = familiar, 3 = competent, 4 = expert

SKILL	NUMBER OF YEARS	SKILL LEVEL*
Technical skills		
1. Java-7, Hibernate, Spring, Spring-Security (role wise), Spring- rest, Html-5, Angular Js-1, Oracle, MySQL, C, Data Structure(basic), CSS3, Bootstrap,Git and SVN operation	1yr 4 Months experience in previous Company (Paladion)	3
2. Web Services (project design only), PostgreSQL(little bit), MongoDB(little bit), Js-pdf(experienced1month in Paladion)		2
3. JQuery (not experienced), Ajax (not experienced), Hadoop (pig & hive learned by myself) (not experienced) & java Script (little bit applied), Networking (not experienced)		JS & JQuery (2), except these two all are 1
4. Python-2.7 & 3.7.4, Data frame, Pandas, Pandas.table,Gui-tkinter, pysimplegui, styler, sqlalchemy, MS-SQL, DiffliB, pymupdf, binascii, collection, orderdict, Pathlib, spring tool suite-4, putty, Winscp, memory management, source tree etc.	1yr 9 months +1yr	3 and 4
5. Java-8, spring boot, maven repository, Bitbucket etc. - in CGI		2
Application knowledge		
Front end to backend development-enhancement, logic implementation, setup system, requirement gathering, involve in sprint planning, knowledge transfer, fixing bugs, customer issue resolve, code commit and take checkout (in Paladion)	1yr 4 Months experience in previous Company	3
Python development and GUI development , Knowledge transfer regarding code comparator, bit bucket, VDI sheet fill up, requirement gathering, involve in sprint planning, Agile upgrade work, demo given based on the development features , Helped different team for their issue fixing, involved various projects and worked in all.	1yr 9months +1yr	3
IT disciplines		
Java Development, UI Development (in Paladion)	1yr 4 Months experience in previous Company	3

Java Development upgrade, GUI Development in Python, Python Development (In CGI-various projects)	4months	2(inprogress)
Industry knowledge		
Cloud security(in Paladion)	1yr 4 Months experience in previous Company	2
Banking and Health & care domain	1yr 9months +1yr	3
Other relevant skills		
1.Tools =Eclipse IDE, Apache Tomcat Server, Pg-Admin, Sublime,visual studio code, Win-Merge, Mongo booster, Robo-Mongo, Visual Studio, Ldap , scm, Diffchecker etc.(PALADION)		3
2. Vm setup, C, Data Structure basic ...		3
3. Hadoop, Java script, JQuery, Ajax, Mongo Db, PostgreSQL – all Basic		2
4.salenium testing littlebit		1
5. Python-3.7.4		3 & 4
Beyond compare , VDI , SQL Developer, MsSQL-studio management, Bit bucket, Jira, Entrust , Pulse Secure, code comparator, Net scalar (in CGI),GIT-command, Spring tool suite-4, winscp, Putty, visual studio code etc.		3

ACHIEVEMENTS

- Awarded prizes from Chief-Minister in song and drawing competition in **SIET** program.
- Won various prizes in various science exhibition, paper presentation and talent competition.
- Won various prizes in various song, drawing, dance, alpna, rangoli, poem competition.
- Winner of multiple Talent Competition in **OSTHA**, Odisha as well as Other district, state and national level competition.
- Won prizes for development of **copycat** tool in **CGI**

LANGUAGE KNOWN

- English, Hindi, Odia (Read ,write and speak)
- Bengali, Kannada (only understand)

PERSONAL INFORMATION

NAME: Soumya Dash
FATHER: Late Narendra ku. Dash.
MOTHER: Padmini Mohapatra.
DOB: 12-DEC-1989
NATIONALITY: Indian
SEX: Female
HEIGHT: 167cm
MARITAL STATUS: Single
COMPLEXION: Fair
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ADDRESS FOR COMMUNICATION

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DECLARATION

I hereby declare that the above mentioned information is true up to best of my knowledge and I bear the responsibility for the correctness of the particulars.

SAMBALPUR
Dt:

SOUMYA DASH.