

# Prakhar Varshney

## Manager - Java Development

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### SUMMARY

Results-oriented application developer and research professional with seven years of experience as a web developer. I make it my goal to create software with the user in mind, creating applications with a usable and intuitive user interface experience. I also understand the importance of creating highly readable and easily maintainable source code. I am constantly striving to learn new technologies and look to ways to better myself in this rapidly changing industry. I prefer to take initiatives and responsibilities successfully when facing a situation at work, both at the level of an individual and a group.

### EXPERIENCE

#### **Morgan Stanley Advantage Services, Bengaluru — Manager, Java Development**

May 2021 - Present

#### **Nucleus Software Exports Ltd., Noida — Lead, Product Engineering**

June 2020 - May 2021

#### **Nucleus Software Exports Ltd., Noida — Senior Software Developer**

May 2018 - June 2020

#### **Nucleus Software Exports Ltd., Noida — Software Developer**

September 2016 - May 2018

#### **Nucleus Software Exports Ltd., Noida — Assistant Software Developer**

September 2015 - September 2016

Responsible for developing web based applications for multiple clients, plays a major role in estimation of the requirement , discussion on its feasibility with Business Analyst team, solutioning on complex functionalities.

### SKILLS

**Languages:** Core Java, Java8, JavaScript, jQuery, HTML, Angular JS

**Databases:** SQL, ORACLE, PostgreSQL, Sybase ,DB2

**Development Software:** Svn, Git

**Framework:** Spring, Spring Boot, Spring Batch, Hibernate

**API:** JDBC

**Web Development Techniques:**

Ajax Programming, JSP technology, Servlets

**Web Servers:** Jetty, Tomcat.

**Platforms:** Windows.

**Platforms:** Ant, Maven, Gradle

**Other Relevant Software Skills:**

Bpmn Activiti, Mvel Rule Engine, Adobe Photoshop, Sony Vegas.

**Strengths:** Excellent communication skills, immaculate Email etiquettes, complete knowhow of the Agile-Scrum workflow (efficient in using JIRA), experience in building CI/CD pipelines in Jenkins

## EDUCATION

### College Of Technology,G.B.P.U.A.T, Pantnagar- Bachelor Of Technology

Electrical Engineering – **7.576 CGPA**

August 2011 – June 2015

### St. Mary's Sr. Sec. School, Haridwar — *Senior Secondary*

Science – **93.80%**

2010

### St. Mary's Sr. Sec. School, Haridwar — *Secondary*

Science – **88.80%**

2008

## PROJECTS

### 1. Project Name — *Human Resource Case Management.*

-HRCM is an application that tracks and reports on employee relation cases. These cases maybe misconduct cases or allegation cases that may have arisen due to employee exit surveys and interviews.

Role: -New Feature Development, Functionality Implementation,  
Creating WBS, Unit Testing, Bug fixing, Solutioning.

### Functionalities Developed —

#### 1.1 Created unit testing framework

Implemented unit testing framework in the project using junit and mockito which helped in getting automated approvals for deployment with automated test cases.

#### 1.2 Adoption to auto deployment

Adopted the application to msde-scheduler an inhouse automated CI/CD pipeline tool. This was the first application to get adopted to this tool in the HR Technology space. It helped in doing deployments in production without any manual intervention.

## AWARDS

Secured **Second Position**, at Technical paper presentation, Cognizance'14, IIT Roorkee.

Secured **Second Position**, at 'General Quotient', organized by 'Mahindra and Mahindra, Automotive and Farm Equipment Sectors'.

Secured **First Position**, at 'Poster Designing Competition', at the Annual Fine Arts Fest of College of Technology, Pantnagar.

## LANGUAGES

Hindi, English

## INTERESTS

Cricket, Badminton, Football, Lust for Travel, Watching movies and seasons, Reading.

## OTHER RELEVANT INFORMATION

**Member**, Science and Literary Bureau , Engineering and Technology Society, Pantnagar.

**Founding Member**, 'Astitva' –A NGO for promoting education in underprivileged children.

### 1.3 Reporting

Set up reporting in the application so that various data in the application can be converted into xls reports based on some UI filters and can be used to make necessary decisions on cases. For exp : Protected Characteristics Report shows all cases where any protected characteristic like age, color etc. was involved.

### 1.3 Onboarded application to artifactory and moved to cloud

Onboarded application to artifactory and moved away from using AFS libraries. This helped in making application ready for cloud and to be deployed on internal cloud (treadmill). Application here was also migrated from using gradle instead of ivy as a dependency tool. A docker image was created of the application and then deployed to internal cloud.

### 1.4 Introduced audit logging in the application

Audit logging was introduced in the application with the help of Spring Actuator framework.

### 1.5 Development of Feed for PE

A json feed was developed which is used to send some data to PE(Performance evaluation) application which they can utilize to take decisions during performance evaluation of employees. A generic framework was created for this so that any new feed to any outbound system could be sent in the future with just some configurations in the database.

### 1.6 Integrated application with CRT system

A utility was written to consume inbound json feed from CRT system into HRCM application so that HRCM system also has access to Legal cases and users can make informed decisions regarding an employee at one place instead of discussing the cases with users of other systems.

## **2. Project Name — *HR Common Web Services***

-This application is a set of web services that provide a common interface to HR portals and an application that requires data from the data distribution platform which is getting data from workday..

Role:-New Feature Development, Functionality Implementation,

NucTech-2020,

Gave presentation on automatic impact analysis and code generation.

Creating WBS, Unit Testing, Bug fixing, Solutioning.

## **Functionalities Developed —**

### 1.1 Creation and enhancement of ddpplugin

A utility was written that can source data from the data distribution platform web services and write that data to a csv,txt file or directly to a database like Sybase or DB2 depending upon the configuration that the utility user has maintained in an xml. Utility also provides the capability to make some enhancement to fields after they have been fetched from web service like adding padding, quotes or any formatting on field or joining two or more fields or any calculation to be performed on the field. Utility was also extendable such that one can add this as a dependency and write their own custom logic of mixing data of two to three web services and still keep using the file or db writing logic provided by utility. This in turn reduced the adoption of these services in any application from a 2-3 weeks process to a single day.

This was achieved using Spring Rest Template, Spring Batch and Java Reflection.

## **3. Project Name — *Recruiting Interfaces***

-This application is used to send and consumer feeds to and from external vendors like LinkedIn , Eightfold and Taleo etc.

Role:-New Feature Development, Functionality Implementation,  
Creating WBS, Unit Testing, Bug fixing, Solutioning.

## **Functionalities Developed —**

### 1.1 Creation of feeds to taleo

A generic utility was written which is used to source data from recruiting application database and then send them to taleo vendor as a csv feed.

### 1.2 Creation of feeds to eightfold

Eightfold is an external vendor that provides solutions for recruiting . We needed to send the user and roles created in our inhouse roles (getaccess) system so that they can use that in their application and our users can use their application without any hassle. Webservices of the inhouse getaccess system were called to fetch the roles and converted into vo objects which were then written to csv files.

#### **4. Project Name — *Mandatory Enforced Vacation***

-This application is used to track Mandatory Leave policy where certain employees are required to take enforced vacations. While on vacation employees are restricted to use or access firm systems.

Role:-New Feature Development, Functionality Implementation,  
Creating WBS, Unit Testing, Bug fixing, Solutioning.

#### **Functionalities Developed —**

##### **1.1 Creation of webservices for Windows team**

Developed webservices for windows team which are called whenever a user logs in into the system to check if the user is on MEV or not and violations are raised accordingly. MEV status of an employee is verified by checking from ldap systems and violations are recorded in the database and also sent as an error to the windows team so that the user cannot login. Since windows team use these, these services are required to have no downtime, so we hosted multiple instances of the application using internal cloud called treadmill fronted by load balancer which is used to direct traffic, during deployment each instance is migrated to new docker image one by one, so that we face no downtime.

#### **5. Project Name — *HR ops RPA automation***

-This application is used to automate a lot of processes that HR does manually using RPA bots.

Role:-New Feature Development.

#### **Functionalities Developed —**

##### **1.1 Creation of webservices for RPA team**

RPA team requirement was to have a dashboard of all the queues that have been initiated by them using bots. A Spring Boot application was created which was integrated to UI Orchestrator Tool using rest services which was then shown to application users in the form of a dashboard.

#### **6. Project Name — *Finnone Neo CAS.***

-FinnOne Neo Customer Acquisition System (CAS) is a comprehensive loan origination software which controls and automates various business processes/activities performed in processing of a loan or

credit card application for advanced risk management and business process optimization.

- It supports the entire acquisition lifecycle from customer walk-in to decision by the underwriter for the disbursement.
- It allows online credit evaluation and if desired, automatic credit evaluation of the application and processing till disbursement initiation.

Current Version:- 6.0

Role:-New Feature Development, Functionality Implementation,  
Creating WBS,Unit Testing, Bug fixing,Solutioning.

## **Functionalities Developed — *Finnone Neo CAS.***

### **1.1 Bank Detail Upload Feature**

Developed a feature such that Bank Details of a Customer can be uploaded and that data can be persisted in the database for further transactions . Different types of files can be uploaded according to the account type of the customer.

### **1.2 NSDL**

Created a ready Interface with NSDL so that PAN verification of Customer can be completed.This was done using RESTful web service.

### **1.3 Score Card**

Developed a feature such that score based on some rules can be calculated both application wise and customer wise. Also , scoring history is viewable to the end user. Score can be calculated using different parameters of a customer using the rule engine.

### **1.4 Data Masking**

Developed a solution and feature of Data Masking so that users can configure for which fields is access allowed to different users , the strategy from which the data can be masked is also configurable at end of user . For exp: . PAN number to be masked with “X” and Aadhar with “0”.

### **1.5 Bank Details From External System And Its Validation**

Developed a feature such that bank Details of a customer can be obtained

using a RESTful Web service and thereby persisted into the system after passing system validations. Also , if the customer does not have a bank Account , the same can be created and validated with the help of RESTful Web service.

### 1.6 Password Encryption of Files

Developed a feature such that when pdf files of a customer are sent through email , the same can be encrypted . The logic of password encryption is configurable at implementation end so that it can be different for different customers.

### 1.7 Statement Analyzer

Developed an adapter such that data for a customer(either in XML or json) when sent from third party can be analyzed and converted into an excel and also some other data can be returned along with the excel as a response of RESTful web service. PERFIOS was implemented as a first time requirement.

### 1.8 Perfios

Integration of Perfios via HTTPConnection with the core product so that analysis of Bank Statement and 26AS data of a Customer can be directly received from Customer net banking credentials or bank statements of 6 months and stored in Core Product acceptable format.

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### 1.9 BSA

Integrated BSA developed by Mckenzie using RESTful Web service so that statements received from Perfios can be used to calculate a score for the Customer, through which his eligibility for loan can be calculated.

### 1.10 Dynamic UI

Developed a RESTful Web service so that a Dynamic UI can be rendered as per requirement of the Bank where the Product is implemented.

### 1.11 Corporate/Business/Individual Business Credit Cards

Developed a feature and flow so the Bank can issue Corporate/Business, Individual Corporate/Business Credit Cards to Customers.

### 1.12 Video KYC

Introduced feature of Video KYC in the product, as of now the product is Integrated with Signzy ,also the RESTful web services are generic and can be plugged to any external Video KYC vendor.

### 1.13 Automatic Impact Analysis

Worked on a tool so that automatic impact analysis of a new Story(in JIRA) can be done, this is helpful to new developers working on existing Projects and helps them to give a starting point.

### 1.14 Automatic Code Generation And Documentation

Worked on a tool so that automatic code or a base for code can be generated to save developers time so that they don't have to work on mundane tasks. Also working on a tool so that automatic documentation can be done for legacy code.