**AKHILESH VERMA**

KRONOS SOLUTIONS INDIA PVT LTD

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###### **Summary:**

* Over 9 years of professional experience in end-to-end SW Analysis, Design, Development, Testing and Deployment using Java/JEE, Springboot, Microservices, Docker, GCP, AWS, PLSQL
* Extensive experience in developing Finance, Workforce domain windows, web-based and SaaS applications using Core Java, PL/SQL, Multithreading, Java 8, Spring, Springboot, XML, Mybatis, TopLink, Python3, Shell scripting, JUnit, REST and SOAP Web Services, Oracle DB
* Proficient in application development using Object Oriented Programming System (OOPS), SOLID Principles, Design Principles, Design Patterns, Data Structure and Algorithms.
* Hands on experience in Oracle 11g database in writing SQL queries and Bulk Data processing using PL/SQL statements (Stored Procedures, Cursors, Functions etc).
* Experience in documenting various phases of the project.
* Experience in Architecture and System Designing (e.g., High Level Design, Low Level Design)
* Using Agile Methodology, Waterfall Model for Project deliverables.
* Possess high efficiency level to work independently or in a team environment.
* Possess problem solving aptitude and strong analytic capability.
* Provide day-to-day production support to resolve issues in timely manner.
* Excellent communication skills, problem solving and inter-personal skills.

# Qualifications

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| **DEGREE/CLASS** | **COLLEGE** | **BOARD/ UNIVERSITY** | **YEAR** | **Percentage** |
| Bachelor of Technology in  Computer Science | Madan Mohan Malviya Engineering College, Gorakhpur | Dr. A.P.J. Abdul Kalam  Technical University (UPTU) | 2012 | 70.5 |
| Intermediate | Gyan Lok Inter College | U.P. Board | 2008 | 75.4 |
| High School | Gyan Lok Inter College | U.P. Board | 2006 | 75.5 |

# Professional Experience

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| **Duration** | **Organization** | **Designation** |
| Feb 2019 – Current | Kronos Solutions India Pvt Ltd | Lead Software Engineer |
| Oct 2015 – Nov 2018 | TSYS Card Tech Services India LLP | Software Engineer |
| Jun 2012 - Oct 2015 | Tata Consultancy Services | System Engineer |

# Technical Skills:

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| **Languages** | **:** | Java, PL/SQL, Python, Shell scripting |
| **Java Stream** | **:** | Core Java, Java 8, Collections, Multithreading, JSP, JDBC, JPA, EJB, Log4j, Junit, Mybatis, Toplink, Spring, Springboot, SOAP and REST Webservices |
| **Web Scripting** | **:** | HTML, JavaScript, jQuery, XML, JSON and AJAX. |
| **RDBMS** | **:** | Oracle 11g, Postgres |
| **Tools** | **:** | Eclipse, PL/SQL Developer, GIT, Bitbucket, Putty, WinSCP, JIRA, Gradle, SOAPUI, Voiyager, Rightscale, GCP, AWS |
| **OperatingSystem** | **:** | Windows 7, Windows 10, UNIX, LINUX. |
| **WebServer** | **:** | Tomcat, JBoss, Nginx |

**Assignments**

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| **Kronos Solutions, Noida** | **Feb 2019 – till date** |
| **Lead Software Engineer** |  |

Kronos is a global provider of workforce management and human capital management cloud solutions; it offers the industry’s most powerful suite of tools and services to manage and engage an organization's entire workforce from pre-hire to retire.

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| **1. Project: Webagent registration Removal** | **Mar 2019 – Jun 2019** |

Workforce Dimension (WFD) is collection of loosely coupled and independently deployable services.

Some shared services e.g. TMS, UDM, SDM, Workflow needs webagent for authentication purpose. Webagent registration happed at service startup. While doing service blue green migration, this webagent registration happen again despite no need for the same.

To remove this unnecessary webagent call, we created a separate custom action to register web agent and removed it from service startup. This saves us around 3-5 min in each service.

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| **2. Project: Zero Downtime Initiative** | **July 2019 – Oct 2019** |

**HealthCheck Automation:** To reduce the service downtime, we added healthcheck script in the boot scripts to remove the need for manual verification thus saving a substantial amount of time.

**Express Upgrade:** Added express upgrade flow for TMS, SDM and Help services that allow us to do the upgrade of this service without any downtime.

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| **3. Project: Python 2 to Python 3 Migration** | **Nov 2019 – Mar 2020** |

Most of python script were written in python 2.7 and Python 2.7 is going to retire in Jan, 2020 and after which there’ll be absolutely no more support from the core Python team. Under this project, we successfully have migration all our script from python 2.7 to python 3.6.

4. Implemented UDM service using docker from scratch. **Apr 2020 – Jun 2020**

5. Implemented deploymation automation for FCS from scratch. **Jul 2020 – Sep 2020**

5. Implemented continuous schema update mechanism using google bucket. **Oct 2020 – Oct 2020**

7. Added new nodes in nginx-ilb for UDM load along with WFM specific load. **Nov 2020 – Dec 2020**

8. Implemented DSE technology upgrade for BCC service. **Jan 2021 – Feb 2021**

9. Worked on various small tasks under automation team in each agile sprint.

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| **10. Project: Payroll Extract Service** | **Mar 2021 – Jul 2021** |  |

Workforce Dimensions needs to provide a simple highly performant way to extract payroll data and accrual data. We need to significantly reduce the service hours required for implementing a scalable payroll extraction for every customer.

In this project, we are using different technology to achieve better performance, e.g., BigQuery, Cloud Run, Cloud Function, Google Bucket, Pub-Sub, Stored Procedure, Springboot, API Gateways etc.

We are following multi-project model to deploy the different google component due to computation limitation presented in Single Project Model.

**Responsibilities:**

* Working on Continuous Integration and Continuous Delivery (CI/CD) pipelines
* Involved in requirements gathering, Detailed analysis, design, implementation, and testing.
* Provided daily and weekly updates to project manager on the project progress.
* Provided day-to-day production support to resolve issues in timely manner.
* Participated in troubleshooting, bug fixing.

**Environment/Tools:** Java, Python, Shell Scripting, Docker, Deployment Automation, GCP, AWS

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| **TSYS, Noida** | **Oct 2015 – Nov 2018** |
| **Senior Software Developer** |  |

Netspend is a leading provider of Visa® Prepaid debit cards, Prepaid Debit Mastercard® cards, and commercial prepaid card solutions in the U.S. Netspend serve the estimated 68 million underbanked consumers who do not have a traditional bank account or who rely on alternative financial services.

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| **1. Project: DDA IVR Integration** | **March 2018 – Nov 2018** |

This project aims to integrate the DDA functionality in IVR application. This includes card order and activation process of DDA cards via IVR.

**DDA IVR Offer Flow:** When GPR cardholder customer calls in IVR system, they are prompted for DDA card offer. If CH chooses to order the card, then new DDA card is ordered.

**DDA IVR Activation Flow:** Activation flow is to facilitate the DDA card activation process.

**DDA IVR Servicing Flow:** New customized IVR Servicing flow is launched for DDA customer.

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| **2. Project: Additional Card Order Web Service** | **Jan 2018 – Feb 2018** |

Partner Connection is SOAP based web service though which Netspend’s Partners can perform many operations like order card, balance enquiry, load money, balance transfer for the customers.

Until now, Netspend’s Partners can only order new card for new customer, there was no option to order additional card for existing customers. This project introduces new web service that allows Netspend’s Partners to request for additional cards for existing customer.

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| **3. Project: CFPB Compliance Changes** | **Oct 2017 – Dec 2017** |

* As per new Consumer Financial Protection Bureau (CFPB) Compliance changes, customer should get 1st additional statement in a month for free of cost.
* As per new CFPB Compliance changes, total fees applied in last month and total fees from starting of year should also be displayed in statement. This helps the customer to know about all the fees that being charged on their account.

After these changes, Customer can now request 1st additional statement free of cost in a month. In new statement, total fees in year and total fees in month is added.

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| **4. Project: Suntrust to BOI migration** | **Jan 2017 – Sep 2017** |

Netspend Partner bank Suntrust is now refusing to refer new business and would like to get out issuing business. This project allowed Netspend to retain existing SUNTRUST cardholder base. The migration took place on Oct 10, 2017. On this date, Suntrust accounts became BOI accounts.

Migrated cardholders now had access to the BOI features. Their SUNTRUST fee plans are changed to corresponding BOI fee plans. Their SUNRUST terms are flipped to the corresponding BOI terms.

After migration, cardholder did not see any interruption of services like DD, Bill Pay, Balance Enquiry, Statement Generation, ATM withdrawal, Online Transaction etc.

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| **5. Project: Recovery of Chargeback fund && Recovery Process Automation** | **June 2016 – Dec 2016** |

**Chargeback fund:** Whenever a customer’s account balance is negative for consecutive 180 days, Netspend system gives Chargeoff to Customer so that their account balance becomes $0. Once users started using their accounts and the system applies a chargeback to recover previously chargeoff amount.

**Recovery Process Automation:** This project aims to automate the recovery and chargeback process for unauthorized transaction. These changes are implemented using Java based Cron Job. Recovery Job identifies unauthorized transaction and creates recovery claims automatically. At the same time, it files the chargeback for claims, thus reducing the substantial amount of manual work.

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| **6. Project: Tokenization Database Designing** | **Jan 2016 – May 2016** |

Tokenization is the process of protecting sensitive data by replacing it with an algorithmically generated number called a token. Tokenization is used to prevent card related fraud.

I designed database schema to store token data for Tokenization system. This allows Netspend card to become eligible for virtual payment like Apple Pay, Samsung Pay etc.

**Responsibilities:**

* Involved in requirements gathering, Detailed analysis, design, implementation and testing.
* Provided daily and weekly updates to project manager on the project progress.
* Developed a design page on Confluence for all the analysis done.
* Provided day-to-day production support to resolve issues in timely manner.
* Participated in troubleshooting, bug fixing and production moves.
* Responsible for creating test cases, conducting User Acceptance Testing (UAT).

**Environment/Tools:** Core Java, Session Bean, SOAPUI, Design Patterns, Oracle 11g, SQL Developer, Eclipse, Git, Bamboo, Jira, Bitbucket, Tomcat 7, JBOSS5, Voiyager

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| **TCS Noida, Walgreens Account** | | **Jan 2014 – Oct 2015** |
| **System Engineer** | |  |
| **1. Project: BDM Refresh** | **Jan 2014 – Oct 2015** | |

This project introduced MD1 Extraction Validation in BDM application.

MD1 data is extracted from the AutoCAD by using Extraction tool and then set of validations are done on the data using this tool. After validations are done data is used to generate Item Markdown list and subscriptions are entered in the Q- Lander manually.

This project automated this process by introducing the new screens in BDM Application.

**Responsibilities:**

* Involved in requirements gathering, Detailed analysis, design, implementation and testing.
* Provided daily and weekly updates to project manager on the project progress.
* Coordinate with customers to determine their needs, gather and document requirements
* Developed five online screens using Java, SQL, Spring, MyBatis framework.
* On these screens business analyst can view all the records and perform all CRUD operations.
* Involved in deployment and post production support for the application

**Environment/Tools**: Java, Spring, MyBatis, jQuery, JSP, Oracle 10g, SQL Developer, Eclipse.

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| **TCS Noida, British Airways Account** | **Oct 2012 – Sep 2013** | |
| **System Engineer** |  | |
| **1. Project:** Lounge and Conformance | | **Oct 2012 – Sep 2013** |

This project aims to implement Lounge and Conformance management in British Airways.

Lounge management checks for eligibility of customers to enter lounges and allows them accordingly.

Conformance management is responsible for managing all conformance checks e.g. baggage check, seat allocation, PNR conformance, infant check etc.

**Responsibilities:**

* Involved in requirements gathering, Detailed analysis, design, implementation, and testing.
* Provided daily and weekly updates to project manager on the project progress.
* Responsible for creating test cases, conducting User Acceptance Testing (UAT).
* Implemented 3 java batches to analyse and automate the Validation process
* Responsible for Production support and bug fixing.

**Environment/Tools**: Java, XML, Oracle 10g, Linux, Jenkins, SQL Developer, Eclipse.

**Hobby:** Cricket, Movies and TV Series **Place:** Noida