

NITISH KUMAR SHARMA

DASSAULT SYSTEMES SOLUTIONS LAB Pvt Ltd | Software Engineer Specialist

Experience Summary:

Overall, 7 years of Total Experience in the IT Industry. Currently working in Dassault Systemes Solutions Lab Pvt Ltd as Software Engineer Specialist. Hands-on skills in DEVOPS methodology, Java/J2EE, C/C++ programming, Spring Boot, Micro-Services, MYSQL, Aerospike, Kafka, jUnit testing, jMeter, etc. Flexible to work in multiple projects within given deadline and has ability to learn quickly with eagerness to share knowledge.

Design and Development – Proficiency at various levels of application development i.e. on requirement analysis, analysis and design, implementation and documentation.

Technical Skills:

- Languages and Frameworks: DevOps, Prometheus, Kubernetes, Containerization, Java/J2EE, JPA, C/C++, Spring Boot, Rest APIs, Microservices, Kafka, jUnit, jMeter
- Machine Learning Tools: Scikit-learn, TensorFlow, Keras, Pandas, NumPy
- Database: MySQL Server, Aerospike, H2
- Client-Side Technologies: AngularJS 6, Ajax, jQuery, HTML/CSS
- IDE: Spring Tool Suite, Eclipse, NetBeans and Android Studio

Professional Experience:

1. Dassault Systemes Solutions Lab, Pune | Software Engineer Specialist (9th May 2022 - Till Present)
2. HCL Technologies, Pune | Lead Engg (3rd July 2020 - 04/2022)
3. Prushal Tech Pvt Ltd, Pune | Software Engineer | Total 3 Years of experience
 - Software Engineer (05/2017 – 03/2020)
 - Java Developer (02/2013 – 05/2014)

Project Experience (Most Recent First)

1. Driveshub

It's a container based service which provides Rest APIs to connect with internal drive and external drives (like google drive, onedrive, box, dropbox) for storage

ROLE	Developer
Responsibility	Analysis of Requirements, Preparation of Design documents and Unit Test Cases, Coding, and Production Support. Monitoring the application and PCS(Performance, Capacity, Scalability) tests Server Side API Development: Develop Rest API's for internal and external drives.
Achievements	Gained knowledge on DevOps, VM and Container based service, Prometheus, etc.

2. Airtel Payment Bank: eNach

It is software product where APIs are designed for communication between Merchant, Banks and NPCI (National Payment Corporation of India). We have developed application for customers (Merchant/Corporate) so that transactions can be done through NPCI.

ROLE	Developer
Responsibility	Analysis of Requirements, Preparation of Design documents and Unit Test Cases, Coding, Coordinate and Communicate with the Onsite Coordinators, Production Support. Server Side API Development: Develop Rest API's for NPCI and Destination Bank
Achievements	Gained knowledge on Kafka, jUnit, jMeter, etc.

3. Apani Tokri

It is Prushal tech software product for ecommerce application for small scale businesses. We have developed mobile application for customers and admin panel for merchant. We have given each merchant separate mobile application and web portal.

ROLE	Developer
Responsibility	Analysis of Requirements, Preparation of Design documents and Unit Test Cases, Coding, Coordinate and Communicate with the Onsite Coordinators, Production Support. Web App and Mobile App: Develop Rest API's for mobile app development. Develop Microservices for Application. Create admin portal for merchant and its employees using J2EE and web-controllers.
Achievements	Gained knowledge on Deployment of multiple Application on one server.

4. **ML-based Anomaly Detection System**

Developed a machine learning-based anomaly detection system designed to identify unusual patterns in transactional data, specifically within financial applications. The project was implemented using a combination of C++ for performance-critical components and Python for machine learning model training.

ROLE	Developer
Responsibility	Implemented efficient C++ algorithms for large-scale data processing. Trained and tested anomaly detection models using Scikit-learn (Python). Integrated ML models into the C++ application for real-time detection. Handled data preprocessing, feature extraction, and model validation in Python. Developed APIs for C++ and MySQL database integration.
Achievements	Successfully deployed the anomaly detection system, reducing false positives by 20%. Optimized C++ code for lower latency in real-time detection. Gained expertise in integrating C++ with machine learning models.

5. **BiggbonusPoints- (Feb 2019 – June 2019, 7 Members team)**

BiggbonusPoints is a project to develop a mobile based Loyalty application where customers can earn & burn points on every purchase. Mobile app has been developed for both Merchants & consumers. Merchants award loyalty points on each purchase which reflects immediately to customer via app/email and sms. On next visit of customer to the same Merchant, he/she can burn/redeem points to earn cash discounts on current purchase.

ROLE	Team manager/Developer
Responsibility	Analysis of Requirements, Preparation of Design documents and Unit Test Cases, Coding, Coordinate and Communicate with the Onsite Coordinators, Production Support. Web App and Mobile App: Develop Rest Api's for mobile app development. Develop Microservices for Application. Create superadmin portal for BiggbonusPoints client and its employees using J2EE, web-controllers and web-services.
Achievements	Gained knowledge on Spring Boot, Creating Rest Api's and Microservices in Spring.

6. **Dazzle Pay Solutions Portal (Feb 2018 – June 2019, 3 members team)**

Dazzle Pay Solutions Portal is a portal designed to maintains the transactions between merchants and customers of Patanjali services and schemes.

ROLE	Team member/Developer
Responsibility	Analysis of Business Requirements or Use cases, Preparation of Design documents and Unit Test Cases, Coding, Coordinate and Communicate with the Onsite Coordinators.
Achievements	On time delivery of all the projects. 0% defect leakage to UAT. Achieved an appreciated degree of accuracy in design documents.

Education Details:

Degree	School/College	Board/University	Percentage
MCA (05/2014-06/2017)	Fergusson College, Pune	Pune University	78.61%
BCS (05/2009-03/2013)	Fergusson College, Pune	Pune University	62.87%
HSC (04/2008-04/2009)	Kendriya Vidyalaya Southern Command - Pune	CBSE	67.8%
SSC (04/2006-04/2007)	Kendriya Vidyalaya Southern Command - Pune	CBSE	85.4%

Co-curricular Projects:

1. Bug Tracker [Java, MySQL, Hibernate / 2012-2013]

Test the application for the bugs and report it to the project manager and developer. The main intention behind the Bug Tracker is to track bugs and report them.

Trainings and Workshops:

- Delivered training for corporate batches at Indeed Inspiring Infotech in multiple domains like Big Data, Data Science, etc and Design and Development.
- Delivered training on Data Analysis at Pimpri Chinchwad College of Engineering (PCCOE), Pune.
- Delivered training on Machine Learning at Sinhgad College of Engineering, Pune.
- Delivered workshop on Data Analysis using Python at Pimpri Chinchwad College of Engineering (PCCOE), Pune.
- Delivered workshop on Android at Sinhgad College of Engineering Pune and DY Patil College of Engineering.