

# Harshal Tripathi

Keen learner | Web Developer | Big Data & Machine Learning Enthusiast

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## PROFESSIONAL SUMMARY

- Agile Developer with close to **5** years of experience in Object Oriented design and development of Software applications using **Java/J2EE & Python** technologies.
- Experience in working with various relational & no-sql databases like **MySQL, Oracle & MongoDB**.
- Understanding of **Big Data** and hands on experience with **Hadoop & Spark** for social keyword-based analytics. Also, contributor in **Apache Open-Source** Beam project.
- Decent knowledge of **OWASP** security & understanding of **licensing** for open-source projects.
- Deep Interest in **Machine Learning**. Have basic understanding of designing supervised and semi-supervised ML models using **Matlab & Python**.
- Working knowledge of **Enterprise Integration Patterns**.
- Have worked on containerized application environments with **Docker, Kubernetes & Jenkins** based on **Micro Service Architecture**.
- Can adapt well with **different cultures** and work as a **team player** as well as independent developer.
- Ideal combination of technical and communication skills with **creative problem-solving** capability.

## EXPERIENCE

### Nagarro Softwares – Associate Lead

July 2014 - PRESENT

Nagarro is a custom software development and business consulting company that provides consulting and technology services. It is headquartered in Munich, Germany and has its primary development center in Gurgaon, in the National Capital Region of India.

### Zenga Media Pvt Ltd – Software Engineer

June 2013 – July 2014

ZengaTV is a product of Zenga Media Pvt Ltd., which is a leading provider of TV services for Live TV channels, other entertainment, reality shows, and news content optimized for viewing on mobile and web screens.

## EDUCATION

### Bachelor of Technology (Computer Science & Engineering)

Vivekananda Institute of Technology, Jaipur

2009 - 2013

## KEY SKILLS

Team Player  
Agile in nature  
Quick learner  
Good communication skills

## APPLICATION STACK

**Technology:** Java, MEAN Stack, ActiveMQ, Map-Reduce, Git, Maven  
**Databases:** Oracle, MySQL, MongoDB  
**Scripts:** Python, JavaScript  
**Frameworks:** Spring, Hibernate, JPA, Hadoop, Spark, Spring Social, Spring-Security, Angular, Express, Apache Camel,  
**Tools:** Jenkins, Docker, Kubernetes

## AWARDS

The Brightest Mind – Excellence  
Employee of the month – Nov 2014

Nagarro Accelerated Growth Path (NAGP) – Professional

## CERTIFICATIONS

Machine Learning – Stanford University (Coursera)  
Nagarro Certified Programming Professional

## WORK PERMIT

UNITED STATES (H1B)

## LANGUAGES

English, Hindi, Gujarati

## RECENT PROJECTS

### Project — *Food Ordering Platform*

The product simplifies digital ordering and improves customer engagement to grow sales. It provided food franchises' features to manage their complete order life-cycle like menu integrations, POS integrations, web applications, mobile applications, report generations etc. using single platform.

#### Tasks & Responsibilities

- Designing technical architecture for resolving OWASP security concerns.
- Worked on social analytics engine using keyword analysis for menu-items.
- Database modeling for analytics and integration with the current system with a dashboard for reports.
- Follow Test Driven Development approach and validate test cases with business requirement for team.
- Reviewing code and validate implementation for team.
- Suggest improvements and decide approaches for implementation.

### Project — *Public Welfare Service*

This project was a public service domain web application for a government agency based in New York. The product here was used by the employees of the government to run cases and manage case information in a single system and keep status of every child abuse case in the city of New York.

#### Tasks & Responsibilities

- Developed algorithm for case-worker faster turn-around time for every new case that comes to the agency.
- Being one of the first developers in the project, created workflow diagram for the team to understand complex business requirements.
- Design approach document and get approvals before implementing features based on business requirements.
- Create view using HTML & thymeleaf templating engine from wire-frames.
- Writing complex queries and improving on performance as we used symbolic linking for tables in various databases.

### Project — *Flight Freight Weight Calculation System*

This project deals with managing and logging arrival and departure of flights over the airport. Also, the project was responsible to log and report the weather conditions for the flight.

#### Tasks & Responsibilities

- Designing logging framework to store details of method calls using annotations for different processing structures.
- Implementing user stories as per business requirements and unit testing the features being implemented.
- Created Jenkins jobs for creating Continuous Integration process for development and testing environments.
- Peer level code reviews

#### DOMAIN

Digital Ordering

#### LOCATION

Gurgaon, Haryana, IN

#### TECHNOLOGY

Java, Spring Boot, Spring-Security, Liquibase, Hadoop, Spark, ActiveMQ, MySql, Maven, git

#### DOMAIN

Public Welfare Service

#### LOCATION

New York City, New York, USA

#### TECHNOLOGY

Java, Spring MVC, Spring-Security, ActiveMQ, Thymeleaf, Databases, jQuery, OracleDB, Maven, git

#### DOMAIN

Aviation

#### LOCATION

Gurgaon, Haryana, IN

#### TECHNOLOGY

Java, Spring Boot, ActiveMQ, Apache Camel, MongoDB, Maven, git