

# Suraj Kumar Dey



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## ABOUT

Software Developer with 4 years of experience in Java, based Software/Web Application with strong analytical and problem-solving skills with demonstrated analysis solve complex problems with high efficiency and writing Quality Coding, Testing, Documentation in the areas of Development and Maintenance.

## SKILLS

**Programming Language:** Java, Python

**Tool and Framework:** Spring Boot, Spring ORM, Hibernate, Spring Data JPA, JUnit, Mockito Spring Batch, Kafka, Elastic Search, Redis

**Database:** Oracle, MySQL, MongoDB

**Cloud:** Azure (API Gateway, Function, LogicApp, Blob, VM), AWS (EC2, ECS, S3, RDS)

**Operating System:** Windows, Linux

**Build and Deployment Tool:** Jenkins, Docker, Openshift.

## WORK EXPERIENCE

 **CITICORP SERVICE INDIA PRIVATE LIMITED, PUNE, INDIA** / Programmer Analyst 2, Sep, 2020 – Present  
Technologies used: Java, Elastic Search, Spring Boot, Spring Batch, Hibernate, No SQL, SQL (Oracle), Cache (Encache).


### Smart Search Product

- Developed search related API'S from starch for large scale system (~1M Request/min).
- Developed core functionality as per user preferences search using elastic search with low latency.
- Independently worked on requirement gathering and design and implementation of core functionality.
- Developed Tree Search filter using **Breath first search Algorithm**.
- Improved batch processing time (**from 4 hour to 2 hour**) from SQL DB to Elastic Index.
- Written JUnit for the services using Mockito with **100%** coverage.

### Common Inbox Dashboard

Technologies used: Java, Kafka, Spring Boot, Spring Batch, Hibernate, No SQL, SQL (Oracle), Cache (Redis)

- Developed Common Inbox Dashboard using asynchronization message processing system using **Kafka**.
- Developed core functionality to convert entitlement of user.
- Implemented **Custom Validation** for Producer message which prevent from unwanted message.
- Developed batch process to **archive message** according to custom logic in real-time.

 **TATA CONSULTANCY SERVICE PRIVATE LIMITED, CLIENT: TATA STEEL EUROPE** | System Engineer, July, 2017 - Sep, 2020

Technologies used: Java, XSLT, WSDL, Azure Cloud, Business Process Model

- Design and Developed an application for automatic failure notification through call service using Python and Flask web-service which made a profit of **5-10%** increase in overall business.
- Developed Java libraries for commonly used component like **HTTP Connector, JSON to XML Parser, CSV to XML Parser**.
- Developed server less API's using **Azure Function** integrated with **Azure API gateway**.
- Migration from monolith architecture to micro service architecture deployed in cloud using **Azure Pipeline**.
- Developed Supply Chain process using BPM Tool to integrate with different application.

## PROJECTS

- [Healthy Food](#) | **JAVA, Spring Boot, Spring Security, Amazon S3, Oracle 19c**  
Design and Developed server-side Restful API'S for application using spring boot and security with JWT Token implementation.
- [Flood Fill Algorithm](#) / **JavaScript, CSS, HTML**  
Developed Web Application to demonstrate the internal work of MS-Paint using Breath First Search algorithm.
- [Snap Chat Feature](#) | **Python 3, Keras, OpenCV**  
Developed an AI algorithm which include face filter.

## EDUCATION

Orissa Engineering College, Orissa, India  
Bachelor of Technology: Electrical Engineering

Aug, 2013-May, 2017  
7.9 CGPA

## ACCOMPLISHMENT

- Appreciation Certification from Tata Steel client for automation of legacy services.
- Achieving excellence in project delivery.