

Sanjaya kumar sahuo

Mob- (91)9663900085

E-mail- Sanjaya.Sahoo26@yahoo.co.in

Github- <https://github.com/SanjayaKumarSahoo>

LinkedIn- <https://www.linkedin.com/in/sanjayakumarsahoo>

Technical skills

A progressive Technical Architect with more than 14+ years of hands on experience in building complex tech systems / big data platforms and willing to build more large scale systems keeping customer orientation as priority.

Currently working as **Platform Technical Architect @ Carrier Global Corporation, Bangalore, India**

Below are technical skill sets as described

- Object oriented / functional programming with Java
- Data Structure and Algorithms design
- Framework design, Distributed system design, Reactive programming model, API designing, Domain modeling.
- Micro services architecture using Domain Driven Design, Event driven architecture, CQRS, Event Sourcing.
- NoSQL databases (Hbase, Cassandra) / SQL(Oracle, PostgreSQL)
- Building big data processing pipeline (Stream / Batch) using Lambda, Kappa architecture, using Apache Spark, Apache Kafka, Apache Hadoop
- Object Oriented design principles using Gang of four (Structural, Creational, Behavioral), SOLID
- JMS, AMQP (Rabbit MQ), Kafka
- Redis, Apache Ignite, EhCache, JVM caches
- Elastic search
- Test-driven Development, Behavior-driven development
- OnPrem / Cloud deployment on Microsoft Azure, Amazon AWS, Containerization with docker, Kubernetes as resource manager / container orchestrator
- Spring Core, Spring Boot, Spring cloud, Spring Data, Spring Security, Spring Batch, Spring Integration, Spring Web Services, Spring MVC, Spring JDBC, Spring data, Hibernate, JPA, Spring Integration
- Unit test / Integration test with JUnit, BDD using Cucumber, Performance test with JMeter
- Building CI/CD pipeline using Jenkins, scripting with Python, Groovy
- Building architectural diagrams using UML practices and cloud computing diagram with draw.io
- Java Performance tuning with YourKit, JConsole, VisualVM
- Web Server / Proxy servers – Tomcat, Apache, Nginx
- Software Development Methodology – Agile

Work Experience

- Carrier Global Corporation [6th Feb 2019 to Now] **Platform Technical Architect**
- Tesco Bengaluru [17th April 2017 to till 5th Feb 2019] **Architect / SDE II**
- Societe Generale [11th July 2016 to 12th April 2017] **Architect / Technical Manager**
- JPMorgan Chase [19th Nov 2012 to 24th May 2016] **AVP**
- Oracle Financial Services [7th Sep 2009 to 14th Nov 2012] **Senior Software Engineer**
- Atos Origin India [12th June 2006 to 4th Sep 2009] **Software Engineer**

Key products

Organization Name: Carrier**Product: Cortix** 6th Feb 2019 to Now

<https://cortix.ai> is a big data IOT multi tenancy platform; it solves use cases like energy savings, predictive maintenance, actionable intelligence insights of equipments etc.

Roles and Responsibility:

- Laying down cloud native architecture foundation for platform <https://cortix.ai> with Microsoft Azure cloud.
- Re-architecting/Re-factoring legacy monolithic applications to follow Domain Drive Design / and event driven micro services architecture.
- Design / Develop multiple micro services (functional / non functional) to cater <https://cortix.ai> cloud native journey.
- Architecting / Building CI/CD pipeline (one click deployment to cloud) for multiple services.
- Design / Develop multiple micro services to process IOT equipments specification details.
- Design / developing cache grid framework to be used by all other services.
- Design / developing aggregation compute framework to handle dynamic aggregations.
- Building Graph model for all entities in platform to cater multi dimensional query requirement.
- Reviews proposed architecture by other teams.
- Conducting tech sessions in company on Cloud, Kubernetes, Distributed systems, Micro services architectural patterns, Cache Grid, Compute data frameworks, Domain Driven Design, Reactive programming, TDD, BDD, which helps team mates to up skills themselves.

Organization Name: Tesco Bengaluru**Product: Customer order** 17th April 2017 to 5th Feb 2019

<https://www.tesco.com> is world's third-largest retailer, having more than 6500 stores across globes. Customer order handles all orders from online / offline stores.

Roles and Responsibility:

- Architecting / Building various micro services for the product with DDD practices.
- Design / develop cache grid framework on top of Redis.
- Completely owned designed /developed a rule engine known as restriction engine.
- Building performance testing framework for all services.
- Developing modules using SOLID writing test / BDD for code.
- Containerizing services, ensuring running in AWS in kubernetes.
- Providing production support to services in a rotation basis.

Organization Name: Societe Generale**Product: Consolidate Annual Review** 11th July 2016 to 12th April 2017

Consolidated Annual Review is an application, based on micro services based architecture created on top of Societe Generale's Credit Work Flow system to help analyst to give bulk responses on work flow.

Roles and Responsibility:

- Architecting / Building various micro services for the product with DDD practices.
- Guiding team of 6 people in development / design.
- Develop /designing using SOLID/DDD principles, writing test / BDD for code.
- Ensure the code satisfies the design specifications, complies with product standards, coding standards /architecture, with zero defect tolerance.

Organization Name: JPMorgan Chase**Product: Global Collateral Engine** 19th Nov 2012 to 24th May 2016

J.P. Morgan's Global Collateral Engine is a collateral management system to allocate / optimize / simulate collaterals movements between two parties.

Roles and Responsibility:

- Designing / develop multiple modules of Global Collateral Engine.
- Design and develop simulation engine to simulate the security allocation between two parties.
- Develop the code using SOLID principles, writing test for code and ensure on-time, defect free delivery.

Organization Name: Oracle Financial Services Software Limited

Product: Flexcube Private Banking System 7th Sep 2009 to 14th Nov 2012

FLEXCUBE Private Banking is a comprehensive tool which is designed to provide a single platform to record, track and manage the overall wealth of a customer, across a range of asset classes and instruments.

Roles and Responsibility:

- Designing / develop multiple modules of **FLEXCUBE Private Banking** product suite.
- Designing modules by using standard UML practices and develop code / write test case for code, technical trouble shooting, ensuring on-time, defect free delivery.
- Ensuring code satisfies with product standards, with zero defect tolerance.

Organization Name: Atos Origin India Pvt. Ltd

Product: Euro Star Departure Control System 12th June 2006 to 4th Sep 2009

Roles and Responsibility:

- Understand requirements specified in the use case document for Euro Star departure control system.
- Design / develop code, write unit test / integration test, ensure on-time, defect free delivery.
- Ensure the code complies with coding standards with zero defect tolerance.

Academics

- MCA from College Of Engineering and Technology, Bhubaneswar (Biju Patnaik University of Technology), 2003-2006 Bhubaneswar [with grade point 8.2 (CGPA)].

Accolades

- IP filed / awarded at Carrier Global Corporation
- 26th rank holder in Odisha, JEE 2003.

Area of Interest

- Machine Learning Models.
- Statistics, Algebra, Probability which helps on deep understanding of ML algorithms.
- Deep learning frameworks.