

# SUTANU DALUI

+91 9831001393 | [sutanu.dalui@gmail.com](mailto:sutanu.dalui@gmail.com) | [www.linkedin.com/in/sutanudalui](http://www.linkedin.com/in/sutanudalui)

---

## SUMMARY

Technology leader with a relentless problem-solving aptitude having a total experience of 19+ years. Solid fundamentals in enterprise architectures built on the four pillars of: *Security, Performance, Resiliency* and *Cost-efficiency*.

**Good at problem decomposition** - able see a problem at virtually any level and knows the questions to ask to decompose the problem into achievable components, to achievable sub-projects, to achievable programming tasks

**Proficient in understanding interfaces** - in the form of protocols, function libraries, class interfaces, or schemas and which are the primary tool needed to manage the complexity of projects with independent contractors and implementers

**Design for flexibility in the face of change** - knowledge, willingness to work hard and take a hands-on role, good intuition, so that as industry buzzwords come and go, the designs remain useful and relevant

**Fluent in stakeholder management** - successful in influencing and drive technology initiatives across the board, rubbing shoulders with a wide audience ranging from technology implementors to executive decision makers

<https://dzone.com/users/1331477/sutanu.html>

<http://hotjavanotes.blogspot.in/>

<https://github.com/javanotes>

## Core Expertise

- Distributed Computing
- Microservice Patterns
- DAG Data Pipelines
- Complex Event Processing

## Technology Exposure

- **Application Development:** Core Java, Spring Boot, JEE
  - **Application Server & Middleware:** Tomcat, Netty, JBoss
  - **IDE:** Eclipse, IntelliJ
  - **Scripting:** Bash shell, Javascript
  - **Profiling:** JConsole, JVisual VM, Java Mission Control
  - **Testing:** JMeter, Junit, Mockito, Spock
  - **Build:** Gradle, Maven, Ant
- **Distributed Technologies:**
  - **NoSQL:** Cassandra, Elasticsearch, Redis, Mongo DB
  - **In Memory Datagrid:** Hazelcast, Infinispan
  - **Cluster Computing:** Akka, Ignite, Storm, Spark

- **Integration Message Bus:** Apache Kafka, Active MQ, Rabbit MQ
- **Virtualization:** Docker
- **Machine Learning:** WEKA, Stanford Core NLP
- **Software Configuration Management**
  - **VCS:** Git, GitHub, Bitbucket
  - **CI/CD:** Jenkins
- **Software Development Methodologies:** Agile, Test-Driven Development
- **Software Design:**
  - **Patterns:** Gang of Four (GoF), Dependency Injection
  - **Architectures:** Microservice, Message/Event driven, Publish Subscribe
  - **Notations:** UML
- **Software Engineering Management:**
  - **Code Review:** Gerrit, Sonar
  - **PM/DT system:** Rally, Jira

## EDUCATION

- B. Tech | Information Technology | JISCE, Kalyani University      **2004 (81%)**
- W.B.C.H.S.E | St. Xavier's College, Kolkata      **2000 (82%)**
- W.B.B.S.E | St. Xavier's Collegiate School, Kolkata      **1998 (86%)**

## CAREER PROFILE

Oct 2020 to Aug 2024 - Lead Software Engineer, JP Morgan Chase

### Key Accountabilities:

- Technology Lead in transforming digital client onboarding experience to a new age multi-channel, self-serviced platform. Interacting with stakeholders through engineering and business
- Instrumental in conceptualizing and designing of a resilient microservice orchestration, on top of a strongly consistent data architecture, improving the system reliability
- Worked as a primary contributor in developing multiple reusable platform level components like HTTP request broadcasting library on PCF, data standardization taxonomy transformation library, being used by cross functional teams
- Redesigned a data sink ingestion process to support a distributed, share nothing architecture from a single-writer architecture to improve process throughput and fault tolerance

Jun-2019 to Oct 2020 - Technical Architect, UHG Optum

- Successfully worked on migrating from a commercial XML based datastore to a hybrid opensource datastore ecosystem comprising Cassandra, Elastic Search and MySQL.
- Considering all NF and security considerations (HIPAA) - read performance increase by 15-20%,

licensing cost savings of 40%

**Nov-2018 to Apr-2019 - Solution Architect, EPAM Systems**

- Worked on RFP solutioning for an event driven customer experience platform architecture for automobile domain
- Design and develop a prototype for asynchronous transaction orchestration among microservices on Kafka

**Jun-2018 to Oct-2018 - Principal Software Engineer, CA Technologies**

- Achieved to climb the learning curve in a short span of time for an application analytics product architecture
- Contributed in designing a new module for the data flow back-end of the product working with Kafka streams and Elastic Search
- Delivered feature developments and customer bug fixes as part of a high performing Scrum team
- Successfully introduced testing strategies for proprietary Big Data backend running Spark Jobs on Apache Hadoop

**Feb-2017 to May-2018 - Solution Architect, Ericsson Global Services**

- Designed and developed the core service orchestration platform on top of Apache Kafka
- Improved performance by 12% in comparison to the legacy data migration platform that was being used. Recognized as outstanding contributor for the project
- 2 times winner in yearly Hackathon event held at organization level
- 1 time runners-up in technical white paper submission at organization level

**Jun-2011 to May-2015 - Senior Engineer, Ericsson Global Services**

- Contributed in design and development of a predictive telecom product recommendation PoC based on customer usage pattern
- Worked on various components like - real-time data collection infrastructure, in-memory model of business indicators, rule-based decision support system, data visualization and predictive analytics
- Contributed in Ericsson messaging OSS fault management stack working with R&D facility. It involved working with complex SNMP protocol based high-performing concurrent programming techniques

**Nov-2009 - Sep-2011 - Senior Associate, Cognizant**

- Contributed as a technical lead in a payment gateway platform using J2EE technologies
- Achieved knowledge development in payment processing domain

**Jan-2006 - Oct-2009 - IT Analyst, Tata Consultancy Services**

- Contributed as a senior developer working using JEE technologies

- Served as a technical analyst at client location

**Jun-2004 - Dec-2005 - Programmer, Infosys Technologies**

- Learned core Apple technologies like XCode, Objective C and native application development
- Production support