Sudhanshu Shukla

Technical Architect

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EDUCATION

Bachelor's Degree in Computer Science and Engineering (B. TECH)
2004-08
IEC College of Engineering and Technology, Noida, India

PG in Computer Science and Engineering —
CDAC, Pune, India
Domain (Retail, Ecommerce, Banking, Payments), 2008 – 2009

CAREER SUMMARY

Dedicated Technical Architect with 13+ years of professional experience in multiple technologies and domains. Experienced in software development life cycle, BDD, TDD, Safe 6 (Agile), Scrum, Lean among others. With in-depth knowledge of storytelling and strong skills in analysis, problem-solving, and decision-making.

TECHNICAL SKILLS

Programming Languages (13+ Years)
•Java: Proficient in Java 11,12 J2EE, with extensive experience in application development.
•JavaScript: Experienced with React JS, AngularJS, NodeJS, and other modern JS frameworks.
•Others: Scala

Technologies & Frameworks (13+ Years): Frameworks: Spring 5.x, Spring Boot, Hibernate (ORM)
•**Microservices**: Rest, Sync, A Sync

- **Retail, E-Commerce** (13+ Years): Content Management: Adobe AEM 6.5 and AEM Cloud
- **E-Commerce Platforms**: Salesforce Commerce Cloud (SFRA, Demandware), SAP Commerce Cloud (Hybris)2210 CVV2,Oracle ATG 11,IBM Sterling OMS 10,Radial OMS,Kibo OMS
- **Others**: Blue Yonder WMS, Manhattan WMS, Oracle, Oracle EBS
     CPQ: SAP CPQ, Salesforce CPQ, Oracle CPQ
- **BFSI (12+ Years)** : Banking Systems: Oracle Fexicube 14.x, Fiserv Banking, SAS
- Payments: Swift, Sepa
- Emerging Tech: Blockchain
- **Integration, BPM (12+ Years)** : IBM SterlingB2B Integrator, MuleESB
- BPM: IBM WebSphere Process server (WESB), Camunda 7,8, Drools, PEGA BPM
- Others: RabbitMQ, Apache Kafka, Confluent Kafka
- **Cloud (13+ Years)**: AWS, GCP, SAP Cloud, IBM Cloud, Oracle Cloud, Spring Cloud, OpenStack
- **Cloud-Native**: CNCF
- **Bigdata, Statistics, Analytics** (11+ Years): Data Analytics: SAS 9.4, Salesforce Tableau, IBM SPSS/Watson, Adobe Analytics
     Big Data Tech: Apache Flink, Apache Hadoop, Apache Spark, Google Big Query
- **Dev-ops CI/CD (11+ Years)**: Containerization: Docker, Kubernetes (K8S), OpenShift
     Configuration Management: Puppet, Ansible
      Infrastructure as Code: Terraform
     Continuous Integration/Deployment: Jenkins, AWS DevOps
     Monitoring &Logging: Nagios, Kibana, Elasticsearch Stack, Splunk

- **Security Solutions (11+ Years):**SAS Fraud & Security, CyberArk 2.0, HP ArcSight, SAP GRC
- **Database (13+ Years)** :RDBMS: Oracle 12g, IBM DB2, SAP HANA
  NoSQL: Mongo DB Enterprise server, Cassandra DB, AWS DynamoDB
- **Servers (11+ Years):**Red Hat – JBOSS, IBM – WAS, Oracle WebLogic
- **Tools**: Quality Assurance: Selenium, JMeter, IBM Rational Functional Tester, HP Unified Functiona Testing
- **Build & Integration**: Maven, Ant,Gardle
- **Code Analysis**: Find Bugs, PMD, SonarQube
- **Others**: Post Man, Redis, Coherence

PROFESSIONAL EXPERIENCE

Technical Architect — Sonata Software   **02/2023 – Present**
Key Projects:
- Lowes
- Whirlpool

Technical Architect — Mastek   **06/2021 – 02/2023**

Key Projects:
- Home Depot US
- Credit Suisse
- Nike

Project Lead & Technical Architect — Wipro Technologies Limited 10/2017 – 03/2020

Key Projects:
- Bank of America US
- Walmart US
- Philips Health Care (Retail)
- Visa US
- PayPal US

Senior Consultant — Capgemini   **12/2016 – 09/2017**

Key Project:
- Ikea (Sweden)

Team Lead — Torry Harris Business Solution   **11/2015 – 09/2016**

Key Project:
- Nokia Siemens

Senior Consultant — WPP Plc Group   **07/2015 – 09/2015**

Key Client:
- US Marine Corps

Senior Technical Analyst — Accenture   **04/2013 – 07/2015**

Key Projects:
- Sainsbury UK / Qualcomm US
- Cardinal Health Care US
- Morgan & Stanley

Application Developer — IBM ISL   **04/2012 – 04/2013**

Key Projects:
- Costco Wholesale
- Sterling (R&D)

Associate Technology — Publics Sapient   **12/2010 – 04/2012**

Key Projects:
- Marks & Spencer UK, Ireland
- Bed Bath & Beyond US
- Barclays Plc

Software Engineer — Netxcell Limited   **11/2009 – 12/2010**

Key Projects:
- Verizon US
- JPMC
- Kroger

KEY PROJECTS

Whirlpool

Technical Architect at in the context of their e-commerce operations. The role involves technical expertise, leadership, collaboration, and deep understanding of various technologies. Let's recap the key points:

Technical Leadership:

Providing expertise and guidance for developing and implementing solutions.

Staying updated with emerging technologies, industry trends, and best practices.

Ensuring technical solutions are modern and effective.

Integration and Deployment:

Orchestrating seamless integration of different systems.

Overseeing deployment processes using DevOps tools for automation and efficiency.

Stakeholder Collaboration:

Collaborating with cross-functional teams to align technical solutions with user needs and business objectives.

Ensuring that technology implementation supports business goals.

Performance Optimization:

Monitoring system performance and identifying areas for improvement.

Optimizing solutions for scalability, reliability, and user experience.

In addition to these responsibilities, you worked with various technologies to support Whirlpool's e-commerce operations:

E-Commerce & CMS& Plat formation:

SAP Commerce Cloud (hybris) and Adobe AEM for online presence and customer engagement.

Programming & Frameworks:

AEM used to manage and update Whirlpool's official website. It could allow teams to easily publish new product information, promotions, and other content to the website.

AEM used to manage and update Whirlpool's official website. It could allow teams to easily publish new product information, promotions, and other content to the website.

Product Catalogue: Whirlpool has a vast product catalogue. AEM could help organize and present this catalogue online, making it easy for customers to search and find products.

Personalization: AEM offers personalization features, allowing companies to deliver targeted content to different customer segments. Whirlpool could use this to tailor content and offers based on customer preferences and behaviour.

Multichannel Delivery: Whirlpool supports delivering content across various channels, such as websites, mobile apps, and social media. This could help Whirlpool maintain a consistent brand experience across different platforms. Personalization: Whirlpool could use Adobe Target to create personalized experiences for their website visitors. This could involve showing tailored product recommendations, offers, or content based on individual user behavior, preferences, and past interactions with the website. For a company like Whirlpool with a wide range of products, Adobe Target could help provide dynamic product recommendations to users based on their browsing and shopping patterns. This can enhance cross-selling and up-selling opportunities.

Java, Scala, and Spring Boot for building robust and scalable solutions.
Messaging & Streaming:

Apache Kafka for real-time data streaming.
Cloud Solutions:

Salesforce Cloud, AWS, and Amazon ECR for flexibility and scalability.
Databases:

Cassandra, DynamoDB, and Oracle DB for different data needs.
Order Management:

IBM Sterling OMS for optimizing order fulfillment.
Warehouse Management:
Camunda BPM version 7,8 (SaaS)

     E-commerce platforms

     Inventory systems

     CRM (Customer Relationship Management) systems

     ERP (Enterprise Resource Planning) system

     Order-to-Cash: Ensures orders are processed, tracked, and delivered on time.
     Procurement-to-Pay: Tracks the entire process, from purchasing items to payment to
     vendors. Returns Processing: Manages the returns from customers, ensuring refunds or
     replacements are managed efficiently.

Manhattan WMS and JDA WMS for efficient warehouse operations.
DevOps & Monitoring:

Docker and Kubernetes for containerization and orchestration.
Jenkins for CI/CD.
Splunk and Spark for monitoring and analysis.
As an Architect, I played a pivotal role in ensuring the alignment of technical solutions with Whirlpool'
business objectives, collaborating with various teams, and leveraging diverse technologies to create
effective solutions. Your leadership and technical skills were critical in driving the success of the
company's e-commerce operations. CyberSource as payment provider on SOP

Project 2 Lowe's - As an Architect Lowe's for a Fortune 20 Company specializing in home
improvement, the goal of this project was to enhance the digital experience for Lowe's
customers, optimize inventory management, improve supply chain operations, and provide
actionable insights through data analytics.

The project involved a deep integration of various technologies and platforms to ensure
seamless operations and a robust e-commerce presence.

Technical Breakdown: E-Commerce Platform: Leveraged Salesforce Commerce Cloud (SFCC)
for end-to-end e-commerce capabilities. Integrated with Adobe AEM Cloud for a rich
content-driven user experience. OCAPI is specifically designed to expose SFCC functionalities
over a web service interface, making it easier to integrate with external applications, build
mobile apps, or develop custom applications on top of SFCC. Some typical use cases for

OCAPI include: Mobile app development, where the app needs to interact with SFCC. Integrating SFCC with other platforms or systems. Developing custom storefronts or other experiences that leverage SFCC data and processes. Backend Development: •

Java & Spring Boot: Used for creating robust and scalable micro services. • Scala: Utilized for specific asynchronous processing tasks and data transformations. Data Streaming and Integration: • Apache Kafka: Implemented to handle real-time data streaming between various systems. This played a crucial role in syncing inventory data, order updates, and user behaviors. Database Management: • Cassandra & DynamoDB: NoSQL databases used for high-scale read and write operations, especially for inventory and user behavior data. • Oracle DB: Utilized for structured transactional data and ensuring ACID properties for critical operations. Order Management and Supply Chain: • IBM Sterling OMS: Managed orders from various channels and ensured timely fulfillment. • Manhattan & JDA WMS: Integrated warehouse management systems to optimize stock levels, track inventory, and assist with efficient product dispatching. Cloud Infrastructure: • AWS: The primary cloud provider. Leveraged various services, such as EC2, S3, Lambda, and RDS. • Salesforce Cloud: For CRM operations, marketing, and analytics. • Platformation: Assisted in data analytics and insights. DevOps and Continuous Deployment: • Docker & Kubernetes: Containerized applications and ensured scalable deployments. • Jenkins: Automated build and deployment pipelines. • Amazon ECR: Managed Docker container images. Monitoring and Analytics: • Splunk: Monitored system logs and triggered alerts for discrepancies or issues. • Spark: Utilized for big data processing and analytics. Challenges and Solutions: 1. Data Consistency: With various systems in play, ensuring data consistency was a challenge. Apache Kafka played a crucial role in real-time data synchronization. 2. Scalability: Leveraged AWS's scalability features and container orchestration with Kubernetes to manage peak traffic times, especially during sale events. 3. Integration Complexity: With many platforms and technologies, integration was complex. A combination of bespoke adapters, Kafka, and a micro-services-based architecture helped alleviate these challenges. 4. Inventory Management: Integrated the IBM Sterling OMS with Manhattan and JDA WMS to provide real-time insights and automation for inventory management. Outcomes: 1. Enhanced User Experience: The integration of SFCC with Adobe AEM led to a richer online shopping experience for users. 2. Improved Inventory Management: Real-time syncing of inventory data reduced stock-outs and overstock situations. 3. Optimized Supply Chain: With the OMS and WMS systems in place, the supply chain became more responsive and efficient. 4. Actionable Insights: Data analytics, powered by Platformation and Spark, provided the business with actionable insights, leading to better decision-making. This project epitomizes the modern integration of diverse technologies to create a cohesive and powerful digital ecosystem, driving growth and improving operational efficiency for Lowe's. Visa checkout integration.

Project 3 — Walmart North America
- Served as an Architect in a Fortune 1 company.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** Oracle ATG 11.3, SFCC ,Java, Spring Boot, Adobe AEM, Confluent Kafka, Salesforce commerce cloud, Adobe AEM, Walmart Cloud, Google Cloud,

Cassandra DB, Oracle DB, IBM Sterling OMS, JDA WMS, DevOps Docker Kubernetes, Helm Chart, Jenkins, Splunk, Apache Spark et al.

Project 4 — Apple Inc.

- Served as a Lead/Architect in one of the largest companies in terms of the brand world in the B2C domain.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** SAP Hybris 6.7, Java, Spring Boot, Kafka, SAP Cloud, Cassandra DB, Oracle DB, IBM Sterling OMS, JDA WMS, DevOps Docker Kubernetes, SAP Dev ops, Jenkins, Splunk, Apache Spark et al.

Project 5 — IKEA Europe

- Served as a Lead in one of the largest Home Improvement companies in the world in the B2C domain.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** Oracle ATG, WCS, Adobe AEM, SAP Hybris 6.7, Java, Spring Boot, Confluent Kafka, SAP Cloud, Cassandra DB, Oracle DB, IBM Sterling OMS, JDA WMS, Dev-ops Docker Kubernetes, Dev-ops, Jenkins, Splunk, Apache Spark et al.

Other Projects eCommerce / Retail **TARGET US, NIKE US**

- Served as a Lead in one of the largest companies in the world in the B2C domain.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** SAP Hybris, SFCC, ATG, Java, Spring Boot, Apache Kafka, Salesforce commerce cloud, Adobe AEM, AWS, Google Cloud, Cassandra DB, Oracle DB, IBM Sterling OMS, JDA WMS, DevOps Docker Kubernetes, Helm Chart, Jenkins, Splunk, Apache Spark et al.

BANKING & PAYMENT DOMAIN PROJECTS

Project 1 — Bank of America

- Served as an architect for one of the banking services projects, which was one of the largest accounts. Provided migration support and upgraded the project.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.

- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** OracleEBS,Platformaation,Scala,Oracle NetSuite, Oracle Fexicube 14.x, Splunk, Drools, Swift, Fiserv Banking, SAS, Blockchain, Mainframes, Java, Spring Boot, Angular, J2EE, AWS et al.

Project 2 — Visa North America

- Served as a Lead in a payment service project involving digital transformation.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** Oracle Fexicube 14.x, Splunk, Drools, Swift, Sepa, FiservBanking, SAS, Blockchain, Java, Spring, Boot, Angular, J2EE, GCP, Kafka et al.

Project 3 — PayPal North America

- Served as a Lead in a payment service project involving digital transformation. Provided migration support and upgraded the project.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** Splunk, Drools, Swift, Fiserv Banking, SAS, Blockchain, Java, Spring Boot, J2EE, Angular, React, AWS, Kafka et al.

Project 4 — Credit Suisse

- Served as a Lead in a payment service project involving digital transformation. Provided migration support and upgraded the project.
- Worked on the story, dividing it on confluence for each sprint daily. Assigned the story to fellow onshore & offshore team members, performed coding for each story, and resolved issues faced by team members.
- Provided coordination between various stakeholders involved in the project, including different companies. Prepared demos for each sprint to divide the project into various subprojects. Prepared HLD, solution designing, and estimations on Confluence/Jira.
- **Technologies used:** Splunk, Drools, Sepa, Fiserv Banking, SAS, Blockchain, Java, Spring Boot, J2EE, Angular, Adobe AEM.
  AEM is utilized by Credit Suisse for its digital presence in various ways:

  Website Management: AEM is to manage and update the content on Credit Suisse's official website. This includes publishing information about financial products, services, market insights, and more.
  Content Publishing: AEM provides tools for content creators to easily author and publish content. This could be particularly useful for sharing financial articles, reports, news, and updates.
  Security and Compliance: Financial institutions have strict security and compliance requirements. AEM was configured to ensure that all content published adheres to

these regulations.
Personalization: AEM's personalization features could allow Credit Suisse to deliver tailored content and financial advice to different customer segments based on their preferences and behavior.
Multi-language Support: If Credit Suisse operates in multiple regions with different languages, AEM could help manage multilingual content