
BIRENDRA KUMAR MISHRA

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Solution Architect

Summary

A learner, currently responsible for ADCB (Abu Dhabi Commercial Bank) Hayyak and DigiCore Application overall Backend System on Java Platform, developing & scaling efficiently on AWS hosted services. Lead the Backend team while covering new feature designs, development, deliveries, and post-prod activities. Substantial Experience in handling and modeling product requirements into TDDs, Schema, and API designs and development, testing and delivery. Holds diverse work experience in different domains, brands and regions. An efficient communicator, having proudly been delivering across the globe for names like Citibank, Mahindra Comviva, Samsung Data System, Times Internet & ADFG Abu Dhabi

Key Qualifications

- Sun Certified
- Effective Collaboration
- Web Security Fixation
- Technical Architecture Designing
- Highly Scalable Application Development
- Performance Optimization
- Cloud Computing
- Enterprise Integrations

Technical Skills

Java -> 8 | Spring Boot | JAX-RS | JAX-WS | JUNIT | RestAssured | JMS | Apache Kafka | Apache Camel | RabbitMQ
Hibernate | SQL Server | MySQL | ORACLE 10G | DynamoDB | MongoDB
Tomcat | Weblogic | Linux | Docker | AWS

Experience

Mar 2025

Solution Architect - ADCB
Abu Dhabi Commercial Bank

CARDS :

Shukran Co-Branded Cards:

- Handled the UAT of Shukran Co-Branded Cards and Supported the Go Live.
- Provided the full support to Credit Team to validate all data in UAT, required to get the sign-off for Go live.

Credit Card Applications (DigiCore) into MIB (ADCB Mobile Banking) :

- Led the Enhancement of Integrating the DigiCore Card Application Journey into MIB.
- This required plugging the DigiCore into MIB, replacing the MIB Native Card Application Journey as well as forking the DigiCore Journey into 3 Separate types based on certain conditions and data presence
- For the customer having Existing ADCB card with unutilized limit, we provided the Default journey of Limit Re-Assignment, minimizing the no of screens to 3 or 4, just for Consent and Review Page.
- For the ETB customers whose salary were data were present with ADCB, were to be given Journey B, where Employment Details capture screen was skipped.
- The third journey was for those ETB customers where employment details were also asked to be filled.
- Capturing of Agent Code in different flows and passing the same to Data Platform Team via ETL.
- Capturing of User Events on MIB contained DigiCore App, storing and it's extraction to Data Platform Team via ETL.

On a Day to Day Basis :

- Collaboration with Cards Business Team for :
 - For all upcoming deliveries, analyzing user stories, issues reported on Production.
 - Providing required and necessary data, schema details, reports on demand to Biz team and other partner channels.

- Collaborating with QA Team for :
 - Change related discussions and support in conducting the Testing of the feature/fix.
 - Time to time monitoring and Ensuring all services are up and running in UAT. If not reporting and liaising up with the partner systems in UAT and providing necessary information/logs to debug the issues in UAT.
- Collaborating with Kony Team for :
 - Defining of contracts (request/response) between Client (DigiCore App) and Server (BPM Team)
 - Providing necessary support and advocating the best practices in terms of data manipulation, management and other best practices.
 - Acting as the first layer to intercept the need of any change in the contracts and where to best would be to implement the change.
- Collaborating with Project Management Team for :
 - Providing the required timelines of the Deliveries to be published in weekly reports flowing up to the higher management about the tracking of proposed deliveries.
- Collaborating with BPM Team for :
 - Discussion of the Feature/Changes/Bug Fixes/Master Data Management.
 - Acting as a Controller layer between Business Team and the BPM team to carry out the day to day deliveries.
 - Providing all necessary details about the Business Requirement, eradication of gaps if any, ensuring stories are well detailed and analyzed.
 - Providing the DB and API/Handoff Designs for the new API when development or any changes in the existing APIs.
- Collaborating with all Partner Systems :
 - For the newer development and UAT support, I seek all necessary clarification from the partner systems like BRMS, FCUBS, ECB, AppZone, CDTs etc.
- Presenting the Changes in the Change Board Meeting for the weekly/bi-weekly releases and ensuring all needed signoff and approvals are in place for any change going on Production.

Sep 2023 - Mar 2025

Solution Architect - ADCB

Abu Dhabi Commercial Bank

Hayyak :

- Led the Enhancement of "New Products and Segments" on Hayyak App.
- Led the change of "Phasing Out of Morpho Devices" used for the Delivery of Aspire Segments's Customer Delivery Kit by JMBR.
- Led the enhancement of Credit Card and Loans offered on Hayyak App.
- Led the enhancement of Delivery Tracking of Welcome Kit to the customer, on Hayyak App.
- Led the implementation of MGM on Hayyak and MIB by Designing APIS, and ETL flow to BIU.
- Playing the role of Single Point of Contact for Ongoing & Upcoming Deliverables.
- Providing all sorts of Data Insight to Business stakeholders from Prod DB, whenever needed.

On a Day to Day Basis :

- Collaboration with Hayyak Business Team for :
 - For all upcoming deliveries, analyzing user stories, issues reported on Production.
 - Providing required and necessary data, schema details, reports on demand to Biz team and other partner channels.
 - Discuss the challenges faced by Biz team in terms of Feedback from Customer, challenges faced by Credit Initiation Unit Team and Delivery/Mailroom Teams and mitigating them at earliest.
- Collaborating with QA Team for :
 - Change related discussions and support in conducting the Testing of the feature/fix.
 - Time to time monitoring and Ensuring all services are up and running in UAT. If not reporting and liaising up with the partner systems in UAT and providing necessary information/logs to debug the issues in UAT.
- Collaborating with Kony Team for :
 - Defining of contracts (request/response) between Client (Hayyak App & Desktop Dev Team) and Server (BPM Team)
 - Providing necessary support and advocating the best practices in terms of data manipulation, management and other best practices.
 - Acting as the first layer to intercept the need of any change in the contracts and where to best would be to implement the change.
- Collaborating with Project Management Team for :
 - Providing the required timelines of the Deliveries to be published in weekly reports flowing up to the higher management about the tracking of proposed deliveries.
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17 May 2023 - Sep 2023

IT Team Leader

Abu Dhabi Commercial Bank

- Lead the Delivery of DCRA (Dynamic Customer Risk Assessment) System Integration with Hayyak.
- Lead the Delivery of NPS (Net Promotor Score) Enhancement on Hayyak App.

13 March - 14M

Senior Java Developer

Mondia Technologies FZ LLC

- Transforming legacy applications/services to the Spring Boot/MongoDB/AWS based application and deployment in Cloud with full coverage of test cases. Refactoring and Code Cleanp.

Sep 2018 - 11 March 2023

Senior Backend Developer

Abjadiyat -> Alef Education Product (<https://abjadiyat.com/en>)

An Arabic learning App for grades K1-G4 with interactive contents, assessments and reports.

- Remain Involved in all phases of SDLC leading Abjadiyat Backend while reporting to HOE->HOD
- Participating in Requirement Discussion and Understanding with Product, preparing Understanding Document, TDDs.
- Refactoring/Removal of legacy code, legacy schema to gain correct structure and relations between entities.
- Designing & Developing RestFul APIs in Spring Boot, interact with data models via JPA (Hibernate) serving HTTP clients.
- Designing/Creating data models, tables and views, writing store procedures.
- Monitoring Application Performance and logs via Spring Actuator, ELK Dashboard and Datadog.
- Building Production Cutovers Plans/Checklists and performing production deployments with Sanity check on Production Env.
- Performing frequent master data uploads from, for newer contents/lessons provided by content team.
- Interacting with Different teams of Unity, Web, QA and Product on a day to day basis.
- Performing Code reviews and resolving code conflicts among the team.
- Leading and Mentoring the Backend Team.
- Analyzed all DB Operations and Performed DB and Data Layer Optimization by tweaking native queries and implementing Projections in Spring JPA methods.
- Wrote Procedures (kind of recommendation engine), recommending the most played contents to the students.
- Implemented a Knowledge Graph Structure entity, constituting Learning Objectives specified by teacher.
- Integrated the application with third-party services like SendGrid, Twillio, Trello etc to achieve business communication.
- Injected Kakfa to the existing system to enable Asynchronous Assignments of Contents to the Students/Classes, unblocking the user.
- *Abjdaiyat Academy*
- Bootstrapped the initial version of newer APP "Abjadiyat Academy" using TypeScript, MongoDB and Servlerless framework on AWS Lambda.
- Performed Integration with External Systems like Google Calendar, Zoom API and Stripe Payment Gateways.
- Onboarding of Freelancer Developers and providing intial setup/access & understandings.
- Breaking requirement into chunks of individual task and delegating them to Freelancers Devs.
- Learnt and explored couple of tools and frameworks like Quarkus, DynamoDB, MongoDB.
- Managed AWS IAM and GIT IAM operations for onboarding/offboarding freelancers.
- Performed Code reviews.

May 2017 - Sep 2018

Senior Java Developer (Consultant)

Investera -> Algorithma - UAE

Investera:- A web and mobile facing Investment Management Platform developed for family equity firms and family-owned investment enterprises.

- Involved in all phases of Software Development starting from understanding the requirement, holding design discussions, preparing the high-level design, implementation in Java, Spring and Hibernate as per the MVC design pattern, testing, deployment across the different environment, and post-implementation bug fixes.
- Developed Restful Web services interacting with data models via JPA (Hibernate) and serving clients in JSON content type.
- Designed data entities, tables, relations and views, Wrote Procedures for database side business implementations, calling procedures from Java (Hibernate), defining DB level constraints.
- Performing Code reviews and resolving complex code conflicts during branch mergers :)

- Performed a bit complex Integration with Bloomberg Web Services to fetch Public Securities data.

Feb 2017 - May 2017

Technical Team Lead

Infogain India Pvt. Ltd.

Talent ++ <https://talent.infogain.com:8090/talent/> : An Internal Application developed to manage/fulfill the intra-resource allocation across the team and/or Business Units of Infogain.

- Leading Java Development Team of 5 members.
- Understanding the requirement coming down from the internal client i.e. Human Resource.
- Performing Daily meetings and task allocation of new modules development and bug fixings.
- Providing a weekly Development Status Report and Live demos to internal stakeholders like HR and Head of Different Business Units.
- Tools & Tech : HTML, Javascript, Java, Struts, Hibernate, SQL Server, SVN.

Dec 2015 - Jan 2017

Technical Team Lead (Consultant)

Samsung Data Systems India Pvt. Ltd.

Samsung Smart Club -> Samsung Loyalty Reward Program for Samsung Customers who shops from Samsung Brand Shop. While shopping they get a reward point to redeem it later for several other benefits.

- Understanding the requirement from the client Project Manager.
- Preparing the Understanding Document and getting client's sign off over it.
- Development in JSP, Servlets, Spring, Hibernate, and SQL Server, PL/SQL.
- Leading the Technical Team of 5 Java Developers.
- Fixing of all Major Application Security Issues raised by SDS Network Team.
- Managing UAT and Production Deployment of Application on Weblogic Server.

Nov 2013 - Dec 2015

Java Developer (Consultant)

Mahindra Comviva

PRETUPS -> Product of Mahindra Comviva which deals in online recharge of Mobile. Developed the data recharge module of this Product which is known as "Data Evangelist". Data Evangelist is a mobile app that will help any user to buy data stock from PRETUPS and to sell it to other mobile users.

- Understanding the existing application/product functionalities, it's design and code walkthrough of the existing product written in Java, Servlets, Struts 1.2 with Oracle DB and Hosted on Apache Tomcat.
- Understanding the change to be developed from the onsite client Project Manager.
- Developed an entirely new flow of making a debit transaction call to the network operator account and credit transaction call to the consumer account.
- Tools used were Java, Servlets, Struts 1.2, and Oracle Database on Unix based Production Environment.

Mar 2012 - Nov 2013

Software Engineer

Nucleus Software Exports Limited

FinnOne Collections -> A module of FinnOne Suite, which deals in managing of delinquent customers. FinnOne Collections system gets the delinquent customer data from either its own Host system (FinnOne LMS) or other Host System implemented at its client env.

Client: Eny Finance - Switzerland, PromInvest Bank - Ukraine, Bank Mandiri - Indonesia

- Taking Product and its Implementations Handovers from the Product Development Team to support Annual Maintenance.
- Performing of Change Requests:
- Requirement Understanding discussion over telephonic con calls.
- Performing weekly or bi-weekly con call with the above clients to share a weekly status report.
- Preparing the Understanding document and sharing with clients to procure their sign off.
- Estimating effort and cost to the client in form of total man-days and sharing with clients and its negotiations.
- Development of the actual feature, SIT, UAT, and Production Implementations.
- Tools & Tech of Development and Production Support: Java, Eclipse, Struts 1.2, Oracle, PL/SQL, Unix, Weblogic, Apache Camel
- Role: Production Support Team Member handling above clients.

May 2010 - March 2012

Software Engineer

Citibank Singapore / Nucleus Software Solutions, Singapore

Payment Processing Module / Cash@Will -> A Cash Management tool which helps in processing of different types of payment made for a corporate customer from various sources.

- Role: Team Member Providing Change Requests Development, SIT, UAT & Production Support to the client
- Developed/Supported a JMS based application to send data to external systems like NZ SBI (Settlement Before Interchange) via TIBCO ESB using TIBCO provided API and processed the received responses.

- Tools & Tech: Java, JMS, Oracle 10g, JAXB, PL/SQL, Unix, Eclipse, Apache Camel

May 2008 - May 2010

Software Engineer

Mobivite -> Srishti Technet Private Limited

Mobivite -> Web Application to manage events, contacts, calendars.

- Developing complex User Interfaces like Calendar, Contacts in GWT as per the requirement and agreed design.
- Developed a internal application 'Order Management' to manage the client orders and their data.
- Developed Java Servlets and Spring Based Controllers as per MVC and used Model layer to persist data to Database.
- Tools & Tech : Java, GWT, Servlets, Spring MVC, Hibernate, MYSQL.

Education

2001 - 2004

Bachelor of Computer Application

Sambalpur University, Orissa.

Certifications

Python Data Structures

Learning the Elastic Stack

Data Engineering Foundations

What Is Generative AI?

Introduction to Artificial Intelligence

Programming for Everybody (Getting Started with Python)

Generative AI: The Evolution of Thoughtful Online Search

Learning Quarkus

Java: Testing with JUnit

Spring - Cloud Overview

Functional Programming with Java

Java: Automated API Testing with REST Assured

Sun Certified Programmer for Java 2 Platform 1.4 - SCJP 1.4 (77 %)

Learning Kubernetes

AWS Fundamentals: Going Cloud-Native

Getting Started with Elasticsearch on Google Cloud

Exam Prep: AWS Certified Cloud Practitioner Foundations

Hands-on Introduction to Linux Commands and Shell Scripting

Amazon DynamoDB: Building NoSQL Database-Driven Applications

Introduction to Data Engineering on AWS: Data Sourcing and Storage

Sustainable Software Architecture

Software Architecture Foundations

Software Design: Code and Design Smells

Software Architecture: Domain-Driven Design

Introduction to Blockchain for Financial Services