## **BHAWANI SINGH SHEKHAWAT**

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**Java & Full Stack Developer – 8+years of experience in design and development.**

**Open source contribution:**

**GIT:** <https://github.com/bhawanihmh?tab=repositories>

**SKILLS & SUMMARY OF WORK EXPERIENCE**

* Over **8+years** of experience in **Domains** like: **Investment Banking, Corporate Banking**, **Telecom**(IPTV Solution), **Insurance**(Property &Casualty), **Cruise Lines.**
* Over **8+ years** of experience in information technology in product and application development using **Java , J2EE, Web Technologies, Spring (**Boot, Cloud, Flux, Mono)**, NetFlix OSS** and **Agile/Waterfall Methodologies.**
* Including **4+ years** of extensive experience inWEB/UI bases technologies like **React JS, Angular JS, Angular, Node, Bootstrap, JavaScript, Ajax, JQuery, JOSN, CSS, HTML**.
* Extensive experience in both **Microservices and Monolithic Architectures**.
* Expertise in designing and developing **REST APIs interfaces** using **RAML and Swagger API** documentation framework**.**
* Experience in using **Angular Components, Directives, Routers, Events, Controllers, Services, Templates.**
* Experience in using **React JS components, Forms, Events, Router.**
* Did **POCs** using new technologies and tools, see my **GIT repository** mention above.
* Knowledge about **Hadoop Big Data** using with **Java API.**
* Knowledge about **containerized (Docker) deployment** of applications on **PaaS** (Red Hat **OpenShift**) and **Azure DevOps 2019**(Boards, Pipelines, Repos etc).

**CORE STRENGTHS**

Core Java 8, J2EE, Web/UI Tech Stack (Angular JS, Angular, React JS, JavaScript, Node, HTML, CSS, Bootstrap), Micro Services (Spring Cloud, Wildfly Swarm), Spring(Boot, Cloud, Security), [NetFlix OSS (Zuul, Eureka, Ribbon, Hystrix)](https://netflix.github.io/), Consul, Struts, Hibernate, REST and SOAP Services, RAML, Swagger, Security(JWT), Togglz, Kafka, Hoverfly, MongoDB(NoSQL), Azure.

**PROFESSIONALSKILLS**

**Frameworks/APIs:** JPA, Struts, Spring 5(Flux , Mono), Hibernate 5, RAML, Swagger, Togglz, Apache Kafka, Mockito.

**JAVA/J2EE:** Core Java8, Servlet, JSP, JDBC, REST, XML, UML, Junit, JSON.

**Security:** Spring CSRF (token based authentication),JWT**,** Spring OAuth2.0,SSO Key-Store Authentication, Certificate-based Authentication.

**Web/UI:** Angular JS, Angular, React JS, HTML, Java Script, Node JS, jQuery, Ajax, CSS, Bootstrap.

**Microservices:** Spring (Boot, Cloud), NetFlix OSS, Jenkins(CI/CD Pipelines), ELK, Kafka, Graphana, Instana, Docker, Kubernetes, Spinnaker, Hoverfly(with BoltDB), Togglz, Azure DevOps 2019.

**Web/Application Servers:** Tomcat 6, JBoss6 EAP, Wildfly8.2.1, Web logic 12C.

**APIs Documentations Tools (APIM):** RAML, Swagger, Hoverfly(API Simulation)

**IDEs / Builder Tools:** Visual Studio Code, Eclipse, EditPlus 2, Apache Ant 1.7, Maven 3, GIT.

**Performance & Load Testing Tool:** Apache JMeter 2.8.

**Tools/DB:** SOAP-UI, MS Visio2003, Log4j, MongoDB 4, Oracle.

###### **EDUCATION**

* **Post Graduate Diploma in Business Administration** (Operations) SYMBIOSIS.
* Oracle Certified Professional, **Java EE 5 Web Component Developer**.
* Oracle Certified Professional, **Java SE 6 Programmer**.
* Programming in **Advance Java** from NIIT.
* **MSc** (Computer Science) from Maharishi Dayanand University.

**WORK EXPERIENCE:**

* Working as a Java and Full Stack Developer with ADCB, Dubaifrom **Aug, 2019.**
* Worked as a Java and Full Stack Developer with DeCurtis Corporation, Jaipur **April, 2018 to April, 2019.**
* Worked as a Java and Full Stack Developer (Technical) with R Systems, Noida from **Oct, 2012 to April, 2018.**
* Worked as Java Developer with HCL Infosystem , Noida from **May, 2012 to Oct, 2012.**
* Worked as Java Developer with Fiserv India, Noida from **July, 2010 to April, 2012.**
* Prior to IT experience, my experience is in **teaching**.

**PROFESSIONAL EXPERIENCE**

ADCB Dubai August 2019 – Present

**Projects:** ADCB (Abu Dhabi Commercial Bank)

**Technologies**: Core Java8, Angular, React(mobile apps), HTML, CSS, JavaScript, Spring Boot, JAXB, XML, Lombok, Maven, PowerMock, Swagger, Check Style, Sonar, Postman, JMeter, Azure DevOps(CI/CD Pipelines) etc.

**Description:** The Payment Hub is the Real Time Gross Settlement (RTGS) system of ADCB. The system facilitates the transfer of funds between banks and other financial institutions in the UAE via their accounts held with the Central Bank. The objective is to provide a system that enables entities of all sizes to participate, irrespective of their size or nature of business.

There are two main parts in Payment Hub. One is the front end engine (includes windows services and web application written in .Net) used for creating, loading and repairing the transaction and the other is backend payment engine (written in Java) for processing the transactions.

The payments or transactions are received either through Incoming Payments (transaction coming from CB / Swift) or Outgoing (transactions going out from ADCB). Transactions flow from different channels and come into payment hub through MQ’s, windows services or .Net frontend and are processed in java engine.

Type of payments that are processed by payment hub is **IFT, EFD, EFI, CST, BCK** etc.

**Responsibilities:**

* Development of microservices.
* Created Design specifications which consist of: Use cases, HLA, Sequence Flow, API Docs, Data Model
* JUnit testing using Mockito and PowerMock framework.
* Created API docs using Swagger.
* Review activities like low-level design, code and test cases.

DeCurtis Corporation April 2018 – April 2019

**Projects:** DXP (DeCurtis Experience Platform)

**Client:** Disney, NCL Carnival, Royal Caribbean.

**Technologies**: Core Java8, Angular, React(mobile apps), HTML, CSS, JavaScript, Ajax, JQuery, Spring Boot, JAXB, XML, ORIKA, Spring Data JPA, MongoDB(for configurations), Perforce (for backend services), Maven, Mockito, Swagger, Check Style, Sonar, Postman, JMeter, Jenkins(CI/CD Pipelines), ELK, Kafka, JIRA, Spinnaker, GIT, Kubernetes, Docker, Hoverfly etc.

**Description:** DeCurtis Corporation is working for proximity-based guest experience solutions, custom application development and strategy, enhancement for the restaurant, cruise lines, theme parks and the hospitality industry.

DXP (DeCurtis Experience Platform) is a cruise line product. The core services- Order & Delivery, Media, Identity and Location, Awareness work together seamlessly to reach, delight and retain guests. Using these services, guests are connected to the cruise team and location through beacons and geo-fencing, smart devices, wearable technology, mobile apps (Customer Services, Room Controls, Eats, Entertainment, Activity Reservation) and/or Experience Portals.

DXP software supports managing the following end-user services:

* Reservation , Embarkation & Debarkation, Identity & Location, Order & Delivery (Customer Services, Eats), Media (Entertainment), Mustering & Access Security, Activity Reservations.

**Responsibilities:**

* Transformation of the existing monolithic application to microsevices.
* Development of microservices.
* Worked on React Components, Routes, Events etc.
* Analyze the existing functional requirements and split into the small functions and transform into non blocking microservices (as auto scaling).
* Created Design specifications which consist of: Use cases, HLA, Sequence Flow, API Docs, Data Model
* JUnit testing using Mockito framework.
* Created API docs using Swagger.
* Review activities like low-level design, code and test cases.

R Systems International Limited Jan., 2015 – April 2018

**Projects:** Corporate Banking System.

**Client:** Barclays, USA.

**Technologies**: Core Java 8, Sonar Cube, JDBC, JEE, Tomcat, Git, Jenkins, MongoDB(No SQL), Hibernate5 , Spring 5, Spring MVC, Spring AOP, Spring Boot 2.0, Micro Web Services, HTML, Javascript, CSS, React(mobile apps), Oracle PL/SQL, Visio, Dockers, Log4J, SOAP Web Services, ELK, Jenkins CI/CD, Swagger Open API 2.0/3.0 and Maven.

**Description:** The project is developed and delivered by RSI for **Barclays Bank, USA.** It maintains Traditional banking sector and Service based banking sector.

Cash Management is an enterprise cash management solution that helps bank to effectively manage and control the cash cycle. It provides comprehensive bank reconciliation and flexible cash forecasting.

For banks based in the United States, enter the American Banking Association nine-digit transit routing number as the Bank Branch Number. Also, if you use the National Automated Clearing House Association (NACHA) electronic payment format, then include the bank branch number on both internal and supplier banks. The combination of Branch Number, Bank Account Number, and Country must be unique within a bank.

**Traditional banking sector:** Core Banking, Retail Banking, Corporate Banking.

**Service Bases Banking:** Core Banking, Retail Banking, Corporate Banking, Loan and Trade Finance.

**Responsibilities:**

* Involved in requirements analysis, design (SRS, Detailed Design Document, Database Design and LLD) & implementation.
* Coding, do the POC of any critical functionality and Client Demo.
* Defining and Create the Swagger based REST API docs.
* Involved in integration and QA Support activities.
* JUnit testing using Mockito framework.
* Review activities like low-level design, code and test cases.

R Systems International Limited Oct., 2012 – Jan. 2015

**Projects:** Proximus HPG Solution (Micro Services)

**Client:** Proximus.

**Technologies**: Core Java, Spring Boot (MVC, REST) , Angular, HTML, CSS, JavaScript, Ajax, JQuery, JSON, HazelCast, Maria DB 10.1 and Oracle (for backend services BEP5.0 project), [NetFlix OSS (Zuul, Eureka, Ribbon, Hystrix, Archaius)](https://netflix.github.io/)Wildfly Swarm, ELK, OpenShift, Kubernetes, Docker and HTML 5, Swagger etc.

**Description:** The client is one of the largest IPTV service providers in the European market. Because of the multiplicity of STBs and SW architectures on which the IPTV service needs to be implemented (several generations of STB, mobile devices with various OS stacks – Android, iOS), client was experiencing more and more difficulties in developing new features and bringing them to the market at an efficient cost and in a reasonable time. The Proximus HPG Solution was proposed as the microservices based solution for this problem. There were several reasons for adopting microservices based solution. The major ones were scalability, availability, CI/CD, etc.

**Responsibilities:**

* Involved in requirements analysis, design & implementation.
* Coding of microservices and UI.
* Worked on Angular Components, Directives, Services, Routes, Events etc.
* Identify and propose the nature and number of microservices and also define the role and responsibility of each service.
* Part of a team who propose a microservices based architecture for HPG solution.
* Identifying the usage of microservices elements like service registry, load balancers & circuit breakers.
* JUnit testing using Mockito framework.
* Review activities like low-level design, code and test cases.

HCL Infosystem Private Limited May 2012 – Oct. 2012

**Project Name**: eProcurement

**Client:** Indian Railway, UIDAI, ECIL.

**Technologies**: Core Java, Applets, Struts1.2, JSP, HTML, CSS, JavaScript, Ajax, JQuery, Web Services, MSSQL, JBOSS, Apache.

**Description**: Electronic Procurement (eProcurement) is the use of Information and Communication Technology (especially the Internet) by the buyer (in this case Government) in conducting their procurement processes with the supplier for the acquisition of goods (supplies), works and services. Use of Information Technology promotes the aims of open, non‐discriminatory and efficient government procurement through transparent procedures. It is the technology‐enabled acquisition of goods and services, required by an organization, at the best value obtainable in the most efficient manner possible. eProcurement involves a set of a technologysolution, which concentrates on different key areas of procurement such as **e‐Tendering, e‐Auction or Reverse Auction, e‐Catalogue/Purchasing, eMarket Place, e‐Invocing, MIS, Contract Management, Supplier Registration, and Accounting.**

**Responsible for:**

* Involved in requirements analysis, design & coding
* Involved in integration and QA Support activities.
* Review activities like low-level design, code and test cases.

Fiserv India Private Limited July 2010 – April 2012

**Project**: EFT Solutions

**Client:** Fiserv – Banking Solutions.

**Description**: **Fiserv**, EFT Solutions has delivered **Electronic Funds Transfer (EFT)** services since 1976, combining proven experience with state-of-the-art technology to become an industry leader. EFT Solutions provides a complete spectrum of ATM, network, and debit card products and services to meet all EFT processing needs of its customers. EFT system has broadly 3 different technological platforms named as Tandem, Back Office and Open Systems.

**Responsible for:**

* Involved in requirements analysis, design & implementation
* Involved in integration and QA Support activities.

**Project Name**: **Ignition**

**Technologies**: Core Java, Flex, Action Script, HTML, CSS, JPA, Mule, Spring3, Hibernate3.0, Web Services, DB2, UML.

**Client:** StoneRiver – Insurance Solutions.

**Description**: **StoneRiver** a leading provider of technology and strategic solutions for the insurance industry, has designed the next generation of Property & Casualty (P&C) solutions with the objective of reducing the complexity that carriers face with IT integration while delivering the richest functional capability on the market. This versatile product group encompasses front office, policy, claim, rating, underwriting, billing, reinsurance, financial and compliance solutions for all major business lines.

**Responsible for:**

* Coding and dev unit test cases.
* Developed Front end Screens in Flex 4 and Action Scripts.
* Involved in integration and QA Support activities.

**PERSONAL PROFILE .**

Father’s name: Kalyan Singh Shekhawat

Languages Known: English, Hindi, and Punjabi

Passport#: K3937690

Marital Status: Married

VISA: Visit Visa 3 Month

**Place:** DUBAI (**BHAWANI SINGH SHEKHAWAT)**