



## Sheshnath Agrahari (10.5 Years, India)

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**Job Title:** Senior SAP Consultant

**Role As:** SAP BTP/UI5/FIORI/CAP Developer | Mobile Application Developer

### Excerpt of Technology based experience:

Rendered diverse IT driven-technology based solution to both 'National' and 'International' clients across India, US, Australia, Ireland, UK, Dubai, KSA, Singapore, Germany, Denmark for more than 10.5 years. I have been working as a Senior Application Developer, Technical Consultant and Solution Architect with solid skills in **SAP Fiori & UI5 Freestyle, SAP BTP, MTA, SAP NEO/Cloud Foundry, SAP CAP, CDS, SAP Business Application Studio, SAP HANA, OCR (Optical Character Recognition), Internet of Things (IoT), SAP Mobility (Android & iOS), SAP Cloud Platform, Blockchain, Multichain, React, React-Native, Redux and Web Technologies.**

### Technical Skills and Experience

- Strong experience in **frontend (UI/UX)** design & development using various language and frameworks – **SAP UI5, SAP Fiori, SAPUI5 Freestyle, ReactJS, React Native, Redux, JavaScript, JSON, jQuery, AJAX, HTML, XML, CSS** etc.
- Strong Experience in **backend (RESTful APIs & OData Services)** design and development using **SAP HANA database schema, tables, views, SAP BTP, CDS, SAP CAP/CAPM, NodeJS XSJS and XS OData Services** etc.
- Delivered **18+ SAPUI5 Freestyle/Fiori/CAP solution** with end to end Implementation.
- Worked with **SAP Fiori extensibility** features and extended standard Fiori and custom UI5 applications using SAP Fiori/UI5, SAP Business Application Studio, SAP Web IDE etc.
- Strong experience in developing **React/React-Native (iOS/Android) mobile Applications** developments with native features (5+ live solution) using React, React Native, Redux, Push Notifications, Redux-Persist, Redux-Thunk, Async-Storage, Geolocation, Maps, Camera, File Manager, firebase etc.
- Strong experience in **RESTful APIs** implementation and **APIs Documentation** using NodeJS NPM modules, and APIs Documentation with **Swagger UI**.
- Implemented various **NodeJS testing frameworks** and libraries such as PM2 (cluster thread and multi-node health status monitoring), Mocha & Chai (Code Coverage Matrix), Benchmark (API Load Testing).
- Developed **IoT Solutions** with business outcomes in large and multiple implementation and support projects on multiple IoT platform (**SAP Leonardo IoT Services, Node-MCU, ESP8266, Arduino**).
- Design & developed AI - **CHATBOT** Solutions and Integrated with SAP and non-SAP platform (SAP CoPilot, Amazon Alexa, Webchat, FB Messenger, Twitter etc.) to automate client's business processes and improve their customer support using **SAP Conversational AI-CHATBOT platform**.

- Very good Functional and Implementation experience in **Machine Learning (ML) & Artificial intelligence (AI)** using SAP Leonardo Machine Learning Foundation (SAP HANA Text Analysis, SAP HANA Sentiments Analysis, SAP HANA Predictive Analysis Library - PAL) Services and integration with Twitter, SCP, SAP HANA and Cloud Foundry etc.
- Strong understanding on **Multichain Blockchain Platforms** with end-to-end design and development experience in a large and multiple project implementation.

### Management Skills and Experience

- Excellent exposure as a Management Consultant for govt. and non-govt. projects.
- Worked on end-to-end project implementation, project lifecycle management, technologies innovation, team management, project estimation, project bidding process, client management, project documentation and reports management.
- Good experience in helping to transform client's business through the management and implementation of new apps, platforms, architecture and technologies as Technical Consultant.
- Experience in leading multiple project teams to enable the client to realize business value from latest technologies and responsible for end-to-end implementation.
- Experience in creating reports such as of Inception Reports, Application assessment reports, Resource and Cost sheet reports, Test Reports, Project Progress reports, Project Status Reports etc.
- Experience in creating documents such as Software Requirement Specification (SRS), High Level Design (HLD), Low Level Design (LLD), Project Proposal, Project Credentials.

### Education:

<b>BE (Computer Science) – 75.75%, (2012)</b> BVBCET, Hubli, Karnataka	<b>SSE – 70%, (2007)</b> CMIC, Kanpur, UP	<b>HSE – 73.33%, (2005)</b> MGIC, Gorakhpur, UP
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### Experience: 10 Years

<b>Freelance Consultant/ Independent Contractor</b> Irish Distillers, Mindset (Canadian Pacific Railway), SAP Australia (FMG), Infosys (Emirates Nuclear Energy Corporation) , Birlasoft (PACCAR), TechTiera, Ubique Systems, Chetu (Track N Trace), Kaar Technologies etc	Till date
<b>KPMG India</b>	Apr 2018 to Jan 2022
<b>HCL Technologies</b>	Sep 2014 to Mar 2018
<b>Ticking Minds (SAP Labs India Pvt Ltd - Client)</b>	Feb 2013 to Jul 2014

### Trainings/Certifications

- Blockchain Certification - LFS171x: Blockchain for Business
- openSAP Certification in SAP RESTful Application Programming Model
- openSAP Certification in How to Build Chatbots with SAP Conversational AI
- openSAP Certification in SAP Intelligent RPA in a Nutshell
- openSAP Certification in SAP Leonardo Machine Learning Foundation
- openSAP Certification in SAP Leonardo Design-Led Engagements Demystified

- openSAP Certification in Touch IoT with SAP Leonardo
- openSAP Certification in SAP Solution Manager for SAP S/4HANA
- openSAP Certification in SAP S/4HANA in a Nutshell
- openSAP Certification in Introduction to SAP HANA Cloud Platform
- openSAP Certification in Introduction to Software Development on SAP HANA

#### Awards and Achievements:

- Encore Super Team Award for 2020 year at KPMG Advisory Services Private Limited.
- IoT Innovation award and First prize winner for Smart Parking Solution (IoT) SAP Technovation (HCL SAP Technovation, 2017).
- Participated in SAP Leonardo IoT Prototype Challenge and earned maximum points (100%+) (SAP India, 2017)
- Innovation of the year award for Transport Management System (POC) based on SAP HANA, UI5 and IoT (HCL Technologies Noida, 2017)
- Best project award for OCC (Operation Control Centre) SAPUI5 Custom Dashboard App – (HCL Technologies Noida, 2015)
- Developed an Android application (MEDLIB) within 26 hours in WHAT THE HACK Android Application development event at (SAP Labs India, 2013).

#### Projects:

1. CPR -Dashboard (Fiori elements and CAP) | Mindset - Jan 2022 to Jun 2023
2. Spend By Channel (Fiori elements and CAP) | Mindset - Jan 2022 to Jun 2023
3. Top Supplier (Fiori elements and CAP) | Mindset - Jan 2022 to Jun 2023

<b>Roles as</b>	Senior Fiori/UI5 Developer (Frontend)
<b>Client</b>	Canadian Pacific Railway
<b>Location</b>	Remote, India
<b>Tools &amp; Technologies</b>	UI5   Fiori Elements   CAPM   MTA   CDS   XSUAA   BTP   ODATA   RESTFUL   SAP HANA   NodeJS   HTML   CSS   jQuery   Visual Studio Code

#### Objective / Problem Statement

CPR-Dashboard have multiple Cards to showcase the analytics for the business area over the time period and it have the cross navigation functionalities to get further details on clicking on any cards or charts.

Spend By Channel app have all the details related to spends across all the channels and will be navigated from overview page by Spend By Channel Card.

Top Supplier app have all the details related to the suppliers and this app has been trigger from overview page by Top Supplier table card.

#### Responsibilities:

- Developed applications using SAPUI5/Fiori/BTP/CAPM/NodeJS to meet specific requirement of the client.
- Integrated the OData Services for all the Fiori pages/annotations using SAP Business Application Studio.

- Worked on the MTA app from scratch using SAP Business Application Studio.
- Worked on end to end fiori/ui5/cap services architecture in SAP NEO and SAP Cloud Foundry using BAS and Github.
- Resolved issues related to this product in the given time duration.
- Successfully supported into Go-Live and Production.

#### 4. Public Electronic Health Record System (Blockchain) App - April 2018 to Jan 2022

#### 5. EHR Dashboard (Blockchain Data Analytics Dashboard) - Oct 2018 to Jan 2022

**Roles as** Solution Architect/Senior Developer

**Client** DoIT & C, Government of Rajasthan, India

**Location** Noida, India

**Tools & Technologies** React Native | ReactJS | Redux | SAPUI5 | Fiori | BTP | CAP | XSUAA | Blockchain | Multichain | NodeJS | HTML | CSS | jQuery | Visual Studio Code

#### **Objective / Problem Statement**

Public Electronic Health Record (EHR) System is to link the health record of patient with his / her unique identity (Aadhar Id or Bhamashah ID) and live data updates from all connected hospitals, clinics, labs, etc. across the state of Rajasthan.

#### **Responsibilities:**

- Worked with Government of Rajasthan, India and identified the Blockchain use case for their Integrated Health Management System (IHMS).
- Worked with client for problem analysis, business analysis, technical requirements analysis, Physical & Logical architecture, deployment architecture design.
- Defined application solution architecture, Integration architecture, Data migration planning, Data Analytics Solution and designed the technical specification documents.
- Design & Developed CHATBOT to provide EHR related information to the citizens and doctors.
- Performed existing data migration for all Bhamashah user's profile and EHR records from IHMS (Govt. of India, Rajasthan state oracle database) to Rajasthan Blockchain Network and live data updates from all connected hospitals, clinics, labs, etc. across the state using blockchain technology.
- Designed and developed the Blockchain NodeJS SDK (Rest APIs).
- Design & development the EHR system applications and dashboards using various language and frameworks – Blockchain, Multichain, SAP UI5, SAP Fiori, BTP | CAP | ReactJS, React Native, Redux, JavaScript, JSON, jQuery, AJAX, HTML, XML, CSS etc.

6. HCL Smart Logistics (Medical Kit - Blockchain), HCL India - Feb 2017 to Mar 2018
7. iMRO Blockchain Platform (Blockchain), HCL India- Feb 2017 to Mar 2018
8. Social Mall (Sentiment Analysis), The Lego Group, Denmark - Aug 2016 to Feb 2017
9. Transport Management System (IoT based POC), HCL India- Oct 2016 to Jan 2017
10. OCC HCL WAY (SAP HANA based POC), HCL India - Dec 2016 to Feb 2017
11. HCL Technovation Event Management App, HCL India - Jan 2016 to Feb 2017
12. HCL Leadership Event Management App, HCL India - Jan 2016 to Feb 2017
13. Service Fix, Centrica (British Gas), United Kingdom - March 2016 to Oct 2016
14. OCC (Operation Control Centre), Consumers Energy, USA - Feb 2015 to March 2016
15. MillerCoors Portal, MillerCoors, USA - Sep 2014 to Jan 2015

<b>Roles as</b>	Senior Technical Consultant/IoT & Blockchain Solution Architect
<b>Client</b>	HCL Technologies Ltd
<b>Location</b>	Noida, India
<b>Tools &amp; Technologies</b>	SAP Fiori   SAPUI5 Freestyle  SCP   CSS   HTML5   JavaScript  jQuery   AJAX   XML   JSON   React Native   ReactJS   Redux   OData Services   SAP NetWeaver Gateway   SAP Leonardo IoT Services   Twitter Node SDK   NodeJS   XSJS & XS OData Services   Blockchain   Multichain   SAP Fiori Mobile Services   Kapsel SDK   SAP Web IDE   Visual Studio Code

### **Objective / Problem Statement**

HCL Smart Logistics for High Value Asset, powered by SAP Leonardo provides a solution to track assets in real time with role-based access & visibility to inventory, location and integrity of assets in real-time.

Social Mall is a social data analysis platform hosted on SAP HANA Cloud Platform that tracks any trend from live social media data to provide insights into customer's sentiments.

Service Fix (CRM-Sales) this is a custom SAP UI5 project to handle the different types of contracts that involved end to end scenarios for contract creation, order, and payment.

OCC (Operation Control Centre) is a Custom SAP UI5 analytical to monitoring the problem of each business area and producing analytical reports to help the organization.

MillerCoors Portal is a UI5 portal for ordering, billing, growth analysis, forecasting, shipping management etc.

### **Responsibilities:**

- Design & developed the frontend (UI/UX) using various language and frameworks SAP Fiori/SAPUI5 Freestyle, React Native, JavaScript, jQuery, AJAX, HTML, CSS, XML etc.
- Design & developed the backend (RESTful APIs & OData Services) using SAP HANA database schema, tables, views, XSJS and XS OData Services, CDS, CAP, NodeJS etc.
- Developed of SAP UI5 custom controls as per requirements of the project.
- Created iOS & Android Application with Offline Capabilities using SCN HYBRID APP TOOLKIT and SAP Fiori Mobile Services.
- Designed and developed the IoT application architecture and solution from scratch to support all the business requirements with great return on investment.

- Designed the Transport Management System and Logistics (Smart Medical Kit Device) using ESP8266 Wi-Fi Modules, sensors, and integrated with SAP Leonardo IoT services to store data into the SAP HANA Cloud Platform
- Developed the IoT Application, consume the IoT data into the app, integrate location services (maps), visualize the IoT data in intuitive UI.
- Implemented Blockchain SDK (RESTful APIs - NodeJS) for query & invoke the blockchain ledger and integrated the Swagger UI for APIs Documentation.
- Responsible for collaborating on and setting cloud vision, providing thought leadership in cloud infrastructure and cloud services architecture to meet operational objectives for cloud solutions.
- Implemented Customer Sentiment Analysis using SAP Leonardo ML Services (Text processing services, Image processing services, Speech processing services), natural language processing (NLP), and Voice activation.
- Developed the Social Media NodeJS SDK and integration with social media platform for storing live and historical data into SAP HANA database.
- Provided technical oversight and guidance during client's engagement execution.
- Worked on Complex Challenges and achieved many appreciations for work contribution from client.
- Troubleshoot and identify performance, connectivity and other issues for the applications hosted SAP BTP platform.
- Resolved issues related to this product in the given time duration.
- Involved for end-to-end project delivery and warranty support.
- Successfully supported into SIT, UAT, and Go-Live in production.

**16. My Task App [SAP Fiori-CRM 1.0] - Mar 2014 to Jul 2014**

**17. Simulate Sales Pipeline App [SAP Fiori-CRM 1.0] - Feb 2013 to July 2014**

**18. Track Sales Pipeline App [SAP Fiori-CRM 1.0] - Feb 2013 to July 2014**

<b>Roles as</b>	SAP UI5 and Fiori Developer
<b>Client</b>	SAP Labs India Pvt Ltd
<b>Location</b>	Bangalore, India
<b>Tools &amp; Technologies</b>	SAPUI5 Freestyle   Fiori   OData Services   SAP NetWeaver Gateway   Web Technologies (JavaScript, CSS, HTML, jQuery, AJAX, XML, JSON)
<b>URL</b>	<a href="https://www.sapfioritrial.com/sap/hana/uis/clients/ushell-app/shells/fiori/FioriLaunchpad.html">https://www.sapfioritrial.com/sap/hana/uis/clients/ushell-app/shells/fiori/FioriLaunchpad.html</a>

### Responsibilities

- Developed UI/UX using SAPUI5 Freestyle/Fiori Controls library to meet specific requirement of the client and integration with backend system using OData services.
- Worked on UI5 charts control and D3JS library to meet specific requirement of the client like show the Expected Sales Volume, Weighted Sales Volume etc.