Sandip Mahato

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Career Objectives

To work with a company which appreciates innovation so that I can enhance my knowledge and skills to give my best for the growth of the company.

Education

2022-Present, Masters's Degree, Computer Science, Maharishi International University, Fairfield, Iowa

2014-2018, Bachelor of Computer Engineering, Kathford Intl. College of Engineering and Management, Balkumari, Lalitpur

2012 – 2014, +2 Science, Damak Multiple Campus, Damak, Jhapa

Technical Skills Acquired

1. Microservices, Spring Security, Spring Data JPA, Rest API, Spring Boot, Docker, PM2, Spring MVC, Maven, Hibernate, Servlets, JDBC, JSP, MySQL, Oracle DB,

2.HTML, CSS, Bootstrap, JavaScript, Ajax, Jquery, React and React Hooks

Career Experience

Senior Software Engineer at Professional Computer System(PCS) Feb 2019 to Oct 2022

1. Social Information Management System for Ministry of Women, Children and Senior Citizens, Government of Nepal contracted with Winrock International's Hamro Samman Project

Social Information Management system is a web-based application developed in a microservice architecture. It captures data related to Women, Children, Senior Citizens, Disabled People, Trafficking in Person, and Gender-based Violence from all the administration levels of Nepal (Ward, Local Level, District, Province, and Ministry), following the data flow from the lower administration body to the higher administration body, and consolidating it into a centralized repository. The system also collects data from several stakeholders, such as Nepal Police and Social Service agencies, analyzing data across jurisdictions. This data, in turn, provides evidence-based decisions like equal and appropriate allocation of resources, formulation of new policies, rules and laws, advocacy, and more. This system also generated a unique official ID Card for senior citizens and persons with disability.

2. Centralized KYC

KYC is a web application developed in a microservices architecture that helps users to register their individual KYC forms and also monitors multiple BOIDS of users.

3. Library Management System for Nepal Police Academy

LMS is a web application developed in microservice architecture that comprises different modules for recording the information of different books, magazines, newspapers, etc in a systematic way to update their library work from paper-based to digital

4. Export-Import Code System (EXIMS) for the Department of Customs, Ministry of Finance, Government of Nepal

EXIMS is a role-based web application to authorize legal importers and exporters by providing EXIM Code Certificate. EXIMS also provides validation services to ASYCUDA World System. It facilitates easy tracking of importers and exporters and encourages transparency in business transactions. The major stakeholders of this system are the Department of Customs, Company Registrar, Department of Inland Revenue, Department of Commerce, Nepal Rastra Bank, Commercial Banks, Chamber of Commerce, Consulate, and Kolkata Port.

5. Sales Staff Data Collection Mobile and Web Application for Nepal CRS Company contracted by Abt. Associates issued under USAID's SHOPS Plus Project

This project comprised a Sales App an android app that could work offline for capturing daily call sheets to record all sales visits made during the day, the stock levels of CRS products at each outlet visited, and whether they were able to make a sale. In addition, the app allows outlet management and GPS tracking of the visits conducted. The web application enables CRS managers to generate standard analytical reports based on the data synced to the server.

6. Sangini Mobile and Web Application for Nepal CRS Company contracted by Abt. Associates issued under USAID's SHOPS Plus Project

This project comprised a Sangini app that could work offline and provides detailed information about different products. The web application enables CRS managers to generate standard analytical reports based on the data synced to the server.

7. Fincloud

FinCloud is an ongoing generic product of PCS aimed to provide complete financial solutions targeting every financial institution such as Banks, Finances, Microfinance, and Cooperatives.

8. Customs Information Monitoring System(CIMS) for the Department of Customs, Ministry of Finance, Government of Nepal contracted under ADB's South Asian Subregional Economic Cooperation Customs Reform and Modernization for Trade Facilitation

CIMS is a web application that comprises 6 subsystems for monitoring the Customs activities of various Customs offices in Nepal. This project includes tracking and monitoring of CRMSAP(Customs Reform and Modernization Strategies and Action Plan), Field office Action Plan, Performance-Based Monitoring

System, Contracts, LMBIS, and Ministry of Finance Action Plan to institutionalize capacity development plans to enhance operational capacities in a sustainable manner. The system also generates reports and rankings of the offices in order of their performances and achievements.

College Projects

1. Third-Year Minor Project

Worker Finder System *using JSP and Java Servlet technology, semester VI – The project is used to find the non-technical workers around the surrounding by mentioning the category of work and location.*

2. Final Year Project

Emotion-Based Music Player System *using .NET technology, semester VI I– The project is used to play the music according to the facial expression of the user like happy, sad, or angry.*

Personal Details

- *Date of Birth: 08 October, 1996*

- *Gender: Male*

- *Present Address: 1000 N 4th Street,Fairfield, Iowa*

- *Permanent Address: Damak, Jhapa, Nepal*