SAIJAL SHAKYA

Telephone: 0405 439 015| Email: saijalshakya@gmail.com

Address: 5/7 Ford Street, Queanbeyan NSW 2620

WORK EXPERIENCE

SCSS CONSULTING PTY LTD, 21 Tiber Crescent Springfield, QLD 4300, AUSTRALIA

FULL STACK SOFTWARE DEVELOPER (Full Time)   1st November 2020 – 30th June 2022

I have worked as a full-time software developer remotely. I have used Django, Flask, ReactJS, jQuery, CSS, SCSS, etc. to develop multiple software.

MAJOR PROJECTS

1. EVENT MANAGEMENT SYSTEM

   This software was developed using Python (Django), JavaScript (React), PusherJS, CSS, SCSS, Micro-frontend, etc. This project was used by top Australian companies like **Coles Group, HESTA Super Fund, NAB Capital, Hostplus, ANZ**, etc. using a multi-tenant backend system. Due to Covid-19, all events were conducted online. So, I got a good opportunity to apply my skills to top Australian companies. This project contains multiple login modes, a live Q &A section, live polling, live chat, customized frontend (changing contents, color, pictures, visibility of multiple features), etc. from the admin section to ReactJS. It has 12 login modes and each event requires separate authentication. So, to control database load, we implemented micro frontend concepts.

2. NANNY & CHILDMINDING AGENCY (https://jadeellenco.com.au/)

   This is a website that is used to book Nanny online. This site was developed using Flask. And my duty here was to add a new feature and fix the bugs.

3. NSW TRANSPORT CHAT BOT (https://transportnsw.info/)

   This chatbot has been implemented on the NSW Transport website. Here, I have developed a chatbot. The chatbot was designed and developed as a separate module and it was implemented on the NSW website as a script. My duty was to fix the chatbot design, test the functionality, and fix the bugs.

4. TRANSPORT FOR NSW (https://corridors.ucapp.com.au/projects/)

   This application was developed using ReactJS. CMS and API for this application were already developed, so I have integrated an updated API and fixed the bugs in front end.

5. KFP Online (https://kfponline.com.au/)

This is a web application which allows users to give online exam and take courses. I have integrated API in frontend (ReactJS), and fixed the design, and the bugs.

OPEN LEARNING EXCHANGE NEPAL (OLE NEPAL), SANEPA, NEPAL

FULL STACK SOFTWARE DEVELOPER (Part-Time)   6th August 2020 – April 2022

I have the responsibility to handle 8 projects. I am capable of working with Django/ Python, JavaScript, and its libraries like ReactJS, Docker, Elastic Search, and Bash Scripts. I was responsible for designing and implementing data storage solutions and software architecture.

MAJOR PROJECTS

1. E-PUSTAKALAYA (https://pustakalaya.org/en/)

   It is a digital library that is 100% free and contains multiple easy shortcut keys to make it accessible to visually impaired students. This site is completely accessible with screen readers like NVDA in windows. This digital library also contains an ePub Reader. We have converted 30 Curriculum books so that visually impaired students can study Nepali Scripted textbooks from a computer. We have very few Unicode Nepali Scripts and it took a lot of time and energy to make a course book accessible. Those accessible books are then converted to an ePub format which can be easily accessed from our ePub Reader. This project includes various technology stacks like Django, React, Elastic Search, Docker, and multiple tasks are handled by CronJob.

2. HAMRO RAMAILO KATHAHARU (https://katha.olenepal.org)

   It is interactive educational software that contains interactive stories, games, and videos. This project is built using React JavaScript.

3. E-PAATH (https://epaath.olenepal.org)

   It is another educational software that focuses mostly on Grade 1 to Grade 8 students. It contains data on all academic courses. E-Paath team also worked with Sign Language. Each learning course includes pre-recorded sign languages.

4. ACCESSIBILITY PROJECT (https://pustakalaya.org/en/accessibility/)

   I am also responsible to track, improve and implement accessibility in all our educational software. I have also done research on the Accessibility Project by following WCAG 2.0 and successfully building E-Pustakalaya accessible. I have also worked on converting Nepali Curriculum Books conversions. We converted Nepali Scripted books into screen reader recognizable format.

5. OFFLINE RELEASE

Software built by OLE Nepal is distributed in schools in rural and urban areas. I am responsible for developing and maintaining Docker for all projects, built for ARM Processors like Raspberry Pi and x86 Processors. We use Raspberry PI, Dell OptiPlex 3080 and 3040 for offline servers, an external hard disk for data storage, and a router for internal networking of our software.

INCWELL VENTURE PVT.LTD, JHAMSIKHEL, NEPAL

SOFTWARE ENGINEER (Full Time)   3rd April 2018 – 20th July 2020

My career in IT started to boom when I started to work here. I got a chance to work in all fields of Technology and Management. I have worked on frontend development, backend development, deployment, client handling, and documentation.

MAJOR PROJECTS

1. COSMO ACOUSTIC CHALLENGE

Cosmo Acoustic Challenge is a singing competition. We developed a web application as well as an android application using Django and Flutter so that users can register, participate in the acoustic challenge, and vote for their favorite participants.

2. SKEDULER

It was an outsourcing project for Incwell Venture. This software is used for Ultimate Job Management and Scheduling. It is based on a micro-service architecture that uses programming languages like Python, Laravel (PHP), ReactJS, and NodeJS. I got a chance to work for 3 months on this project and was able to develop and maintain the micro-components of the system.

3. EMPLOYEE MANAGEMENT SYSTEM

It was an internal project which is used to manage employee history, leave management, and notice circulation. We have used the Django Framework of Python.

EDUCATION BACKGROUND

Till now, I have completed a Bachelor of Information Management. Below is my education history till now

Master of Information Technology

FROM: Wentworth Institute of Higher Education   2023 - TILL

BACHELOR OF INFORMATION MANAGEMENT (BIM)

FROM: ST. XAVIER'S COLLEGE, MAITIGHAR, NEPAL   2015 - 2019

HIGHER SECONDARY EDUCATION BOARD (H.S.E.B)

FROM: MOONLIGHT HIGHER SECONDARY SCHOOL, KUMARIPATI   2013 - 2015

TRAININGS

PROGRAMMING IN PYTHON AND DATA SCIENCE

FROM: DEERWALK TRAINING CENTER, SIFAL   NOVEMBER, 2018 – MARCH, 2019

I enrolled in 4 months of training for a Data Science course. I successfully completed my Data Science course. My certificate number is DTC-20190321-006. You can also verify it from the link below:

https://training.dwit.edu.np

LARAVEL WITH VUEJS

FROM: BROADWAY INFOSYS NEPAL, BANESHWORE   MAY, 2018 – JULY, 2018

I enrolled in 2 months of courses for Laravel (PHP) and VueJS. My certificate number is: B7332. You can also verify it from the link below:

https://verify.broadwayinfosys.com

PROFICIENCY IN INFORMATION SYSTEM MANAGEMENT

FROM: APTECH COMPUTER EDUCATION, KUMARIPATI   FEBRUARY, 2014 – MAY, 2014

I enrolled in 3 months of Information System Management course to understand the basic and core knowledge of information technology and system management.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
1. Python (Django, Django Rest Framework, Flask, Scripting)
2. JavaScript (ReactJS, Basic VueJS, Scripting, jQuery)
3. PHP (Laravel, Lumen)

PLATFORMS
1. Windows (7, 8, 8.1, 10)

2. Linux – Ubuntu 18.04 and 20.04

WEB SERVER
1. Apache
2. NGINX
3. Basic AWS

REFERENCE

Sachit Adhikari, CEO
SCSS Consulting PTY LTD
21 Tiber Crescent, Springfield, QLD 4300, Australia
ABN: 72 639 014 770
hi@scssconsulting.com
0450 395 294