



SAJAG SILWAL

+977-9861432839 | sajag.silwal123@gmail.com | www.sajagsilwal.com

[in](#) sajagsilwal | [G](#) sajagsilwal123 | [X](#) sajagsilwal

Banasthali, Kathmandu-16, Bagmati, Nepal

OBJECTIVE

Computer Engineer, Educator, and Software Builder with 7+ years of experience in the capital market of Nepal, and hands-on exposure across IT and entrepreneurship. Focused on creating meaningful impact through technology by mentoring 900+ students, digitizing legacy transport operations, and building accessible solutions, guided by the principles creating impact wherever I go.

EDUCATION

- Kathmandu University** October 2018 - May 2023
Bachelors in Computer Engineering Dhulikhel, Nepal
 - CGPA: 3.54/4.00
- National School Of Sciences, NIST** May 2018
Higher Secondary (NEB) - Science Lainchaur, Kathmandu, Nepal
 - GPA: 3.17/4.00
- Brihaspati Vidyasadan** April 2016
Secondary Education Naxal, Kathmandu, Nepal
 - GPA: 3.80/4.00

PROFESSIONAL EXPERIENCE

- Basuki Transport Private Limited** November 2025 – Present
Software Engineer Kalanki, Kathmandu
 - Currently architecting **BasukiMS**, an internal system to digitize and replace legacy manual paperwork.
 - Developed the official website, www.basukitransport.com
 - Managed the electronic government procurement (e-GP) process via the PPMO portal, coordinating document preparation and submission for government tenders.
- Herald College Kathmandu** August 2025 – Present
Final Year Project Supervisor Naxal, Kathmandu
 - Supervised 14 Bachelors in Information Technology (Hons) students, guiding them through the complete lifecycle of their Final Year Projects.
 - Mentored students on industry-relevant skills and practices, focusing on making them market-ready and job-ready.
- Iruka Technologies Private Limited** February 2023 - January 2026
Co-founder and CEO Remote
 - Led the product vision and business development research for **Aroma**, designing a comprehensive business model and commercial strategy.
 - Designed the Proof of Concept (PoC) for **NEXUS**, which has now been developed into a State-of-the-Art warehouse automation system.
 - Worked as a backend developer, designing the APIs that power the platform's functionality and data integration.
 - Solely managed company-wide accounting and legal compliance, establishing robust financial frameworks and revenue structures.
 - Managed all Human Resources functions, leading team recruitment and defining operational protocols for the organization.
 - Developed a custom CMS webapp for **Aashirbad Group**, one of Nepal's largest exporters, helping them increase their digital presence.

TEACHING EXPERIENCE

- Herald College Kathmandu, University Of Wolverhampton** October 2023 - February 2026
Teaching assistant Naxal, Kathmandu
 - Mentored over 900 students throughout a 2.5-year tenure, providing technical guidance and academic support across multiple IT modules.
 - Taught "Introduction to Object-Oriented Programming" and "Object-Oriented Design Programming," strengthening students' proficiency in Java.
 - Facilitated the "Collaborative Development" module, simulating professional Agile environments where students simulated Scrum workflows using tools like Jira.

PROFESSIONAL ASSOCIATIONS

Nepal Engineering Council

Registered Computer Engineer in the national body governing the engineering profession.

April 2024

PROJECTS

- **Dhewaa: Personal Finance Management System** October 2025 - Present
Tools: Node.js, Express, TypeScript, PostgreSQL, React, React Native [🔗]
 - Developed Expense Tracking and Loan Management modules for comprehensive financial oversight, enabling users to monitor incomes, manage installments, and settle multi-party accounts.
 - Built dynamic financial reports with customizable date filters, category breakdowns, and instant PDF export.
 - Created a feature, **Document Vault** for digital asset organization, ensuring seamless storage, synchronization, and retrieval of legal, academic, and medical documents.
- **NepseBot: Nepse Data Scraper** 2023
Tools: Python, Selenium, BeautifulSoup [🔗]
 - Developed a terminal-based CLI application using Python and Selenium to automate the retrieval of daily floorsheets, date-wise floorsheet, dividend history, and live stock prices.
 - Engineered robust scraping pipelines with BeautifulSoup to parse publicly available financial data.
- **Scholarr: Learning Management System** 2020
Tools: MongoDB, Express.js, React.js, Node.js [🔗]
 - Implemented secure authentication and authorization using JWT, ensuring protected API routes and safe session management for all users.
 - Established the project architecture and developed the Todo management module, enabling students to efficiently track and organize their learning tasks.
- **Web Application: Leo District Council 325B1, Nepal** 2021
Tools: MongoDB, Express, NodeJS, ReactJS [🔗]
 - Led the development lifecycle as Project Lead, coordinating team workflows and ensuring the timely delivery of the platform.
 - Integrated the Esewa payment gateway to facilitate secure digital donations, handling transaction verification and automated payment status updates.
 - Implemented authentication with basic authorization to manage secured access across the application.

SKILLS

- **Programming Languages:** TypeScript, JavaScript, Python, Java
- **Web Technologies:** HTML5, CSS3, JavaScript, TypeScript, REST APIs
- **Database Systems:** PostgreSQL, MySQL, MongoDB, Redis
- **Data Science & Machine Learning:** Python, Pandas, Web Scraping (BeautifulSoup, Selenium)
- **Cloud Technologies:** DigitalOcean, Vercel
- **DevOps & Version Control:** Docker, Docker Compose, Git, GitHub
- **Specialized Area:** Backend Engineering, Microservices Architecture, System Design, Project Planning
- **Other Tools & Technologies:** Postman, DBeaver, Swagger, Jira, Figma

LEADERSHIP EXPERIENCE

- **IT Committee Chairperson** July 2025 - June 2026
Leo Multiple District 325, Nepal
 - Led the development and management of the Content Management System (CMS) based web application.
- **President** July 2019 - June 2020
Leo Club Of Kathmandu Swoyambhu Town
 - Established a library at Ram Shah Basic School, Gorkha.
 - Served the community during Covid-19 as part of the Covid relief program.
 - Conducted multiple blood donation programs.
 - Established a junior leo club, the Leo Club of Kathmandu Swoyambhu Town II Alpha

CERTIFICATIONS

- **Server-side Development with NodeJS, Express and MongoDB** October 30, 2022
The Hong Kong University of Science and Technology, Coursera
- **HTML and CSS in depth** 2023
Meta Frontend Development Course, Coursera

HONORS AND AWARDS

- **Region Co-ordinator Of The Year** 2022
Leo District Council 325 B1, Nepal
- **District President Appreciation Award** 2020
Leo District Council 325 B1, Nepal

ADDITIONAL INFORMATION

Languages: Nepali (Native), Chinese Mandarin (Beginner), English (Fluent), Hindi (Conversational)

Interests: Travelling, Playing Guitar, Reading Books, Trading

REFERENCES

1. **Biraj Dulal**
Academic Leader
Herald College Kathmandu
Email: biraj.dulal@heraldcollege.edu.np
Phone: +977-9801900587
2. **Nischal Shakya**
Lead Engineer
Leapfrog Technology
Email: nischalshakya@lfttechnology.com
3. **Sajan Bhandari**
President
Leo Multiple District 325, Nepal
Email: leosajanbhandari024@gmail.com
Phone: +977-980-5858634