

SAGAR SUBEDI

Software Engineer

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[Portfolio](#)

PROFILE

Highly motivated and detail-oriented **Software Engineer** with a strong foundation in fullstack development, API design, and data-driven solutions. Experienced in building and optimizing **scalable web applications**, developing **high-performance APIs**, and leveraging **modern frameworks** like React.js, Next.js, Node.js, and TypeScript. Proficient in **backend services**, database management (**MongoDB, MySQL**), and performance optimization using **Redis caching**.

Beyond web development, I have hands-on experience in **data processing** with Python, integrating **LLMs**, and working with **cloud-based solutions**. Skilled in **workflow automation using n8n**, including integrations with **Jira, Zoho, and Notion APIs** to streamline processes and boost productivity. Adept at **collaborating in cross-functional teams**, reviewing pull requests, and ensuring high code quality. Passionate about problem-solving, continuous learning, and adopting new technologies to build efficient and scalable systems. Seeking opportunities to contribute to innovative projects and grow within a dynamic organization.

PROFESSIONAL EXPERIENCE

Yirifi.ai, Singapore.

A Digital Assets Risk Management for Institutions. <http://www.yirifi.ai/>

Fullstack Software Engineer

Oct 2024 - PRESENT

At Yirifi.ai, I optimized and developed high-performance web applications using Next.js, designed scalable APIs, and implemented Redis caching to improve response times. I also worked with Python for data generation and transformation, integrated LLMs for intelligent data operations, and managed MongoDB for efficient data storage. Additionally, I built automation workflows in n8n, integrating platforms like Jira, Zoho, and Notion to streamline operations and enhance productivity.

- Optimized and developed web applications using Next.js for better performance.
- Designed and implemented RESTful APIs, improving efficiency and scalability.
- Integrated Redis caching to enhance API response times.
- Utilized Python for data generation, processing, and LLM-based

SKILLS

Software Development
Problem-Solving
Communication
Agile Methodologies

SKILLSET & TOOLSET

Front-End Technologies:
React.js, Next.js, JavaScript,
TypeScript, Tailwind CSS, Material
UI, Redux Toolkit, Redux Saga,etc.

Back-End Technologies:
Node.js, Express.js,
TypeScript, Knex, Prisma, MySQL,
MongoDB, Python, Docker, Grc and
Socket.

Cloud Platforms(BASIC):
Amazon Web Services (AWS)

Version Control:
Git

Code Collaboration:
GitHub, GitLab

Project Management:
Jira

LANGUAGES

English, Nepali

data operations.

- Managed and optimized MongoDB for data storage and retrieval.
- Developed automation workflows in n8n, integrating Jira, Zoho, and Notion APIs to streamline processes.
- Built scripts for data processing, transformation, and system automation.
- Conducted code reviews and collaborated with cross-functional teams for seamless development.

Upaya City Cargo Pvt. Ltd., Kathmandu, Nepal

A logistics company enabled by technology. <https://upaya.com.np/>

Associate Software Engineer

July 2023 - Nov 2024

As a junior developer, I contributed to various projects regarding logistics software and data visualization systems, which enhanced decision-making capabilities across company verticals. Throughout my tenure, I grew significantly as a team player, improving not only my technical skills but also my communication abilities. I demonstrated a strong commitment to learning and professional development while collaborating across different projects and teams.

- Contributed to the development of a logistics software system, which successfully addressed and provided solutions for a variety of complex logistics problem domains for inter-city logistics services.
- Developing and maintaining web applications using React.js, Express.Js, Typescript, Nest.Js and Hono.Js .
- Designed and implemented an intuitive analytics platform that empowers executive members to visualize and interpret crucial business indicators, encompassing profitability, revenue, client rankings, and trip data across multiple verticals, with customizable time frames for comprehensive trend analysis and performance evaluation.
- Developed comprehensive, role-specific dashboards that provided real-time, data-driven insights into the company's fiscal year performance. These dashboards streamlined upper management's decision-making process by offering a holistic view of:
 - Highest profit-generating verticals.
 - Areas of potential loss or concern.
 - Overall financial health of the organization.
 - Key performance indicators for various business operations.
- I also contributed to microservices based projects using various languages and tools like Node.js, Express.js, Typescript, Nest.js, Knex.js, Mysql, MongodB and Grpc to create efficient, scalable, and robust systems which is further segregated into different services. My contributions included:
 - Contributing to the billing system for the logistics platform,

which included complex financial components such as ledgers, subledgers, journal vouchers, and general ledgers. This comprehensive system handled various aspects of financial tracking and reporting, ensuring accurate and efficient management of transactions within the logistics operations.

- Designing database schemas, developing APIs, setup projects to support business requirements.
- Learning many web technologies like Docker, scheduling, caching and coding patterns, optimization, schema design and also cloud platforms like AWS. Additionally, for real-time communication I used SSE (Server Sent Event), polling and Socket.
- Gaining interest in Kafka, Kubernetes, writing YAML files, deploying and scaling applications.
- Demonstrating a strong commitment to professional growth by continuously learning and exploring emerging technology trends, ensuring up-to-date knowledge and skills to drive innovation within the organization.
- Collaborating with cross-functional teams including designers, product managers, operations and other developers to create high-quality products.

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Internship

May 2023 - July 2023

In my initial role as an intern, I worked closely with senior technical lead to learn and grow as the sole developer on the project. I successfully built new features, tackled challenges, and ensured the product's smooth operation and growth using React, Javascript and Tailwind CSS with basic Express and MySQL for API development. My role expanded to include .

- Designed and developed customer web system from where customers can do various functionalities with different features integrated.
- Worked in an agile environment using Scrum methodology and Jira for project management.
- Collaborated effectively with the testing team to minimize bugs and ensure project stability.
- Collaborated with backend developers and UX/UI designer to create a business analysis site for different logistics verticals, utilizing React and Tailwind for frontend development with responsiveness fulfilling the designs.
- Continuously polished my knowledge on web development from seniors and by self learned.
- Utilized Git for version control and GitLab for code collaboration and pull requests.

EDUCATION

Bachelor of Computer Science and Information Technology(BSC CSIT)— Tribhuvan University
Amrit Science Campus, Lainchaur, Kathmandu

2018 - 2023

CERTIFICATIONS

Certification in AWS Cloud Quest: Cloud Practitioner
Issued by [Amazon Web Services Training and Certification](#)

Certification in Intermediate SQL
Issued by [Data Camp](#)