

Sakuntala Napit

Software Developer

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PROFESSIONAL SUMMARY

Experienced Software Developer with strong expertise in building scalable backend systems, RESTful APIs, data pipelines, web scraping, third-party integrations, and secure applications. Proven ability to lead projects, optimize performance, mentor juniors, and deliver reliable solutions from requirements to production.

WORK EXPERIENCE

Software Developer - Botsfolio, Remote

June 2025 – March 2026

- Developed and maintained scalable backend applications using Python and Django, managing full lifecycle from requirements to deployment and maintenance.
- Built secure, well-documented RESTful APIs with Django Rest Framework, session-based authentication, Swagger/OpenAPI, automated testing, and detailed test cases.
- Created data pipelines using Selenium and BeautifulSoup for web crawling, integrated OpenAI/ChatGPT API for pricing predictions and analytics insights.
- Integrated third-party platforms for email marketing, notifications, and external services to ensure reliable data flow and seamless backend connectivity.
- Integrated social media APIs including LinkedIn, X, Facebook, Instagram, and Threads to automate post scheduling and publishing, reducing manual posting effort by 70% and enabling consistent content delivery across 5+ platforms.

Backend Developer - NAXA, Kathmandu, Nepal (Hybrid)

January 2022 – April 2025

- Led end-to-end development of Zite, a real-time project monitoring and management tool serving multiple distributed sites, achieving high performance and scalability for 1200+ concurrent users with 99.9% uptime.
- Optimized application performance by debugging critical issues, refining PostgreSQL database queries, and refactoring legacy code, reducing average API response time by 50–60% and improving overall system efficiency.
- Designed and implemented RESTful APIs and microservices for seamless data integration across

distributed sites.

- Utilized PostgreSQL, Redis, and Celery message queues to handle high-volume data processing (300+ events daily) while enforcing security through authentication, authorization, and Role-Based Access Control (RBAC), with zero major security incidents during tenure.
- Mentored junior developers through pair programming, code reviews, and troubleshooting sessions to boost team skills and efficiency.

Python/Django Developer - Calcgen Nepal, Kathmandu, Nepal (On-site)

January 2021 – January 2022

- Led development of a comprehensive web application, building core APIs and translating client requirements into functional solutions.
- Presented sprint-end application demos to project managers and stakeholders, demonstrating progress and functionality that contributed to 100% client satisfaction in feedback surveys.
- Collaborated across teams to bridge requirements and technical delivery, contributing to multiple projects and improving overall productivity.

Django Developer - Yantrashala Pvt. Ltd., Kathmandu, Nepal (Hybrid)

October 2019 – December 2019 & August 2020 – December 2020

- Gained foundational experience in Python and Django under mentorship.
- Contributed to development tasks in an e-commerce project.
- Independently designed, developed, and tested backend code and applications.
- Configured databases and built backend systems for company projects.

AREAS OF EXPERTISE

- **Languages & Frameworks:** Python, Django, Django Rest Framework (DRF), REST API
- **Databases & Tools:** PostgreSQL, MongoDB, Redis, Celery, Pandas
- **DevOps & Cloud:** Docker, AWS, Git
- **Web Scraping & Automation:** Selenium, BeautifulSoup
- **Frontend:** HTML5, CSS3, JavaScript, jQuery, Bootstrap
- **Integrations:** OpenAI/ChatGPT API, Social Media APIs, Swagger/OpenAPI

EDUCATION

Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT)

Tribhuvan University, Nepal

2015 – 2019