

Saroj Rai

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Summary — Python Developer with 3+ years of experience building scalable web applications using Django with experience in web development using VueJs. Proven track record in optimizing backend systems and integrating third-party APIs. Proficient in using VueJs and Django to develop various types of web apps. Passionate about efficiency, security, and team collaboration.

Skills

Languages: Python, JavaScript, HTML, CSS

Frameworks & Libraries: Django, Django REST, GraphQL, JQuery, VueJS

Databases: PostgreSQL, MySQL, SQLite, Redis

DevOps & Tools: Docker, Git, Nginx, Gunicorn, Celery

Cloud & APIs: AWS, EC2, REST, SOAP

Experience

Pathway Technologies and Services

Nov 2022 – Present

Python Developer

- Developed and maintained scalable web applications using Django and Django REST Framework.
- Designed and optimized PostgreSQL and MySQL databases for high performance.
- Designed and implemented various web applications using Vue.js, ranging from CRM systems to project setup platforms, with a focus on scalability, intuitive UI, and seamless integration with backend services.
- Improved key API endpoint response times through ORM query optimization.
- Built and integrated RESTful APIs, enhancing system interoperability and security.
- Experience on AWS along with deployment of applications, automated disaster recovery by creating backup images and established secure VPN connections with external vendors via AWS.
- Applied authentication and security best practices (OAuth, JWT, CSRF).
- Collaborated with front-end and mobile teams to streamline development workflows.
- Integrated third-party APIs and payment gateways, following security best practices.
- Led technical discussions with vendors and clients, ensuring project success and satisfaction.

Pathway Technologies and Services

May 2022 – Sept 2022

Python Developer Intern

- Built RESTful APIs using Django REST Framework.
- Assisted in designing and managing PostgreSQL/MySQL databases for scalable applications.
- Implemented OAuth and JWT authentication for secure endpoints.
- Collaborated with senior developers to debug and optimize application performance.
- Gained exposure to Docker, Git, and cloud deployment workflows.

BITSPANDA TECHNOLOGY PVT. LTD.

March 2020 – April 2022

Quality Assurance

- Building appropriate test cases and documenting the bugs and proceedings.
- Conducting thorough testing for the various apps and web apps.

Education

Uniglobe H.S. (High School)

2014 - 2016

+2 Science

kamaladi, Kathmandu

Texas College of Management and IT

2016 - 2022

BSc. CSIT

Sifal, Chabahil

Projects

Tripturbo

- Led a team to launch a travel marketplace, integrating multiple third-party APIs (flights, buses, hotels).
- Designed system architecture with modular flowcharts to ensure maintainability and scalability.
- Designed and developed features such as activity management, promo code system, and comprehensive inventory management.
- Integrated multiple payment systems (wallets and banks), ensuring large volume of transactions securely.
- Managed deployment on AWS, achieving 99.9% uptime for over 30,000 active users.

The Green Intelligence

- Co-led a team to develop a global system for recording trees and farmland data, integrated with payment mechanisms to provide financial support to farmers.
- Developed a map module for user-defined area visualization.
- Developed internationalization (i18n) features to support a global user base.

Geokrishi

- Assisted in development of various payment systems for farmers, organizations and cataloging systems for various farming related details.

Dairy Farm Decision Support Tool

- Directed the development of a cattle management platform, enabling detailed oversight of dairy production and related operations.
- Utilized periodic and scheduled notifications to handle various things related to cattle and its life-cycle in the system.

Goat Catalog System

- Designed and implemented a Goat management platform, focusing on cataloging various details pertaining to the goats.
- Migrated and integrated data from old system to new developed system.

OTAKUSAUCE

- Assisted in side project built with friends which gives all kinds of information about concerned Anime, Manga.